



Medaval Comparative-Equivalence Assessment Full ReportVolume 2024Report 2406FR06 February 2024

Full report on the comparative-equivalence assessment of the blood pressure measurement technology used in the SELVAS ACCUNIQ BP651 and the SELVAS ACCUNIQ BP500 upper arm blood pressure monitors, according to the requirements of MEDDEV 2.7/1 revision 4.

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MEDICAL DEVICE ASSESSMENT 2406FR:2024

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Glossary

Abbreviations

%RH relative hu	umidity percent
°C	degrees Celsius
AAMI	Association for the Advancement of Medical Instrumentation (USA)
ABPM	Ambulatory blood pressure measurement
ANSI	American National Standards Institute
BP	Blood pressure
bpm	beats per minute
cm	centimetre(s)
DBP	Diastolic blood pressure
ECG	Electrocardiogram
EEA	European Economic Area (EU plus Iceland, Liechtenstein and Norway)
EEC	European Economic Community (former name for EU)
ESH	European Society of Hypertension
EU	European Union
g	gram(s)
hPa	hectopascals
ISO	International Organization for Standardization/International Standards Organization
m	metre(s)
MAP	Mean Arterial Pressure (if estimated, MAP = $(SBP + 2 \times DBP) / 3)$
meas.	Measurement
min	minute(s)
mmHg	millimetre(s) of mercury
PC	Personal computer (any external system to which data can be downloaded)
PP	Pulse Pressure ($PP = SBP - DBP$)
PR	Pulse Rate
PRP	Pressure Rate Product (PRP = $SBP \times PR$)
req.	requirement
SBP	Systolic Blood Pressure
SD	standard deviation
I away d af Itana	Companian

Legend of Item Comparison

BL	Similar-level provisions on both devices
BP	Different provisions on each device

- EL Equivalent provision on both devices
- EP Identical provision on both devices
- MB Values missing for both devices
- MR Value missing for Reference Device
- MT Value missing for Test Device
- QL Check if provision is identical or similar
- QP Check free text entries
- RL Better provision on Reference Device
- RP Provided on Reference but not on Test Device
- TL Better provision on Test Device
- TP Provided on Test but not on Reference Device
- XB Not applicable for this device functionality
- XP Not comparable

Legend of Summary Comparison

An Applicable number of items (total less not applicable)

Bn	Differing items that are not any better in either device
Bn-F	Differing feature items that are not any better in either device
Dn	Items that are different in the two devices
Dn-A	Accessory items that are different in the two devices
Dn-C	Core items that are different in the two devices
Dn-F	Feature items that are different in the two devices
En	Items that are equal in both devices
En-F	Core items that are equal in both devices
En-F	Feature items that are equal in both devices
Mn	Missing items
Mn-A	Missing accessory items
Mn-C	Missing core items
Mn-F	Missing feature items
Qn	Items with outstanding queries
Qn-A	Accessory items with outstanding queries
Qn-C	Core items with outstanding queries
Qn-F	Feature items with outstanding queries
Rn	Differing items that are better in the reference device than in the test device
Rn-F	Differing feature items that are better in the reference device than in the test device
Sn	Total number of items
Sn-A	Total number of accessory items
Sn-C	Total number of core items
Sn-F	Total number of feature items
Sn-I	Total number of identity items
Tn	Differing items that are better in the test device than in the reference device
Tn-F	Differing feature items that are better in the test device than in the reference device
Xn	Items that were on the checklist but were not compared
Xn-A	Accessory items that were on the checklist but were not compared
Xn-F	Feature items that were on the checklist but were not compared

Summary

Objective

The objective of this study was to compare the SELVAS ACCUNIQ BP651 blood pressure monitor (BPM) to the SELVAS ACCUNIQ BP500 for equivalence according to the requirements of the MEDDEV 2.7/1 revision 4 guidelines¹ in order to fulfil the medical device requirements of EU 2017/745².

Methodology

The 320 items in a checklist were compared, of which 72 were core items, to prove equivalence and broken down into 63 technical and nine clinical items. The 248 non-core items (not associated with the measurement technology) identified the differences between the devices and determined how the devices were comparable.

The cuffs, defined as clinical items in terms of the device, were analysed separately, as at least one difference was observable. The 16 items in the checklist consisted of ten core items, broken down nine technical items and one biological item. There were six non-core items.

Non-core items are grouped in into "identity", "feature" and "accessory" subgroups.

Results

Comparison of the core items, for both the devices and cuffs proved that they were equivalent according to procedures recommended in the MEDDEV 2.7/1 revision 4 guidelines¹. Comparison of the non-core items, for both the devices demonstrated that, with fewer features and accessories, the SELVAS ACCUNIQ BP651 is considered simpler to the SELVAS ACCUNIQ BP500.

Both cuff styles were found to be identical, as regards blood pressure measurement, with the only difference being the colour of the front deco cover.

Conclusion

As they have been prove to be equivalent, the results on any validation carried out on either the SELVAS ACCUNIQ BP500 or the SELVAS ACCUNIQ BP651 must be applied to both devices.

As the SELVAS ACCUNIQ BP500 has been proven to be accurate according to the requirements of the ISO 81060-2:2018^{3,4} and ISO 81060-2:2018/Amd 1:2020 standard⁵, the results of this validation must be applied to the SELVAS ACCUNIQ BP651 also⁶. Therefore the SELVAS ACCUNIQ BP651 must be considered to be accurate, when used correctly, as per the manufacturer's instructions, within the criteria set out in ISO 81060-2:2018 and ISO 81060-2:2018/Amd 1:2020.

It is, therefore, recommended for use in clinical blood pressure measurement.

Organisational Details

Medaval Ltd.

Incorporated in 1989 as Medical Device Assessment Ltd, the company abbreviated its name to Medaval Ltd. in 2015. Medaval provides several services including comprehensive cardiovascular device listings according to peer-reviewed validations, certification for devices that have been proven to have been validated strictly according to a current standard protocol, validation of devices and comparative-equivalence according to MEDDEV 2.7/1 rev 4 standards¹. Both validation and comparative-equivalence services are in accordance with Regulation (EU) 2017/745².

The passing criteria in validation protocols are based on specific sample distributions and on other criteria and can only be applied if all of the requirements are followed correctly. Therefore, in any validation study, Medaval, first tests the hypothesis that the study was not carried out in accordance with the requirements and it is only if that hypothesis is rejected can the results be considered reliable.

All procedures were developed and reviewed by a panel of experts. The Medaval Accreditation Procedure is designed to check that every aspect of a validation protocol is fulfilled. Modifications, that may be necessary for particular populations or circumstances not defined specifically in a protocol must be supported by relevant peerreviewed scientific publications.

Validation is considered to apply to the specific measurement technology being tested, as distinct from the device itself. No inference should be made about the validity of any other aspect of the device, unless it is also tested according to a regulatory or peer-reviewed protocol. Validation also only applies to the population from which the sample is taken and under the circumstances in which it was carried out, as defined in the protocol. No inference should be made about the validity of the device in a different population or under different circumstances.

The results must apply equally to any device that uses the same measurement technology, as proven under MEDDEV 2.7/1 rev 4 standards irrespective of whether that equivalence is proven prior to or subsequent to the validation. Medaval has developed as comparative-equivalence procedure to test the null hypothesis that two devices are not equivalent, according to this standard. Should that hypothesis be rejected, the devices must be regarded as equivalent for that measurement technology.

For more information, please refer to <u>www.medaval.ie</u>.

SELVAS Healthcare Inc.

SELVAS Healthcare Inc. (formerly Jawon Medical), established in 1993, is a digital healthcare company based on technology for medical devices and assistive rehabilitation technology devices.

The company has won several awards including the Presidential Award in the National Venture Awards and selected as a World Top-class Company (1999), Top Prize in the Leaders' Venture Awards (2000), the Prime Minister's Award by the Korean Good Manufacturing Practice Trade Day (2001), the Director's Award by the Korea Food and Drug Administration (2003), Bronze Prize in the Republic of Korea Technical Awards, Silver Prize in the Venture Design Awards and Bronze Medal of Industrial Effort in the Precision Technology Promotion Contest (2005), the Director's Award by the Korea Food and Drug Administration (2006), the Advanced Venture Company Award (2010), Grand Prize in the 1st People's Happiness Premium IT and the Popularity Award, Analysis and Diagnosis System Segment in the Korean Medical Device Awards (2014).

Its brand ACCUNIQ derives from its mission to provide accurate diagnosis and unique technology.

SELVAS Headquarters are in Daejeon, Republic of Korea and it has major offices in Beijing, Peoples Republic of China and in Austin, Texas, USA. It also has offices in Venlo, Netherlands, Taipei City, Taiwan and Tokyo, Japan.

The company has, among several others, ISO 13485, ISO 9001 and GMP certification. See <u>https://www.ACCUNIQ.com/en/company/certification.php</u> for a complete list.

For more information, please refer to www.ACCUNIQ.com.

Full Report

Introduction

Both the SELVAS ACCUNIQ BP500 and SELVAS ACCUNIQ BP651 are blood pressure monitors (BPMs) intended for waiting room use or for availability in, for instance, a staff common area in a business. Blood pressure (BP) is measured oscillometrically on each device in the same way. A visual aid shows how to place the, usually right, arm and a sensor prevents it from working until at least the elbow is placed correctly Measurement is initiated by pressing a Start/Stop button and the results are displayed. It is intended for adults (18+) with arm circumferences in the range 20 cm to 40 cm only but not for those with arrhythmias and some other stated conditions.

An additional rear monitor, allowing anthropometric data to be entered is available and the device has a USB port and two RS-232C ports. None of these were used in this study.

This assessment is intended to test the null hypothesis that the oscillometric measurement technologies differ between the two devices.

Methodology

The devices were compared according to the requirements of the MEDDEV 2.7/1 revision 4 guidelines¹ and, in doing so, fulfil the requirements of EU 2017/745². According to these requirements, all aspects of the devices must be classified as being associated with technical, clinical or biological aspects the measurement technology being tested (core items) or as being associated with aspects other than the measurement technology.

With the input of several renowned experts in validation, Medaval drew up a procedure involving over 300 checks, with more, as necessary, depending on innovations on supplementary features and accessories. These are designed to fulfil the requirements of MEDDEV 2.7/1 revision 4¹, specified thereof in Appendix A1, Appendix A9 and Appendix A10. At the time of this study, there are 320 checks for BPMs and a further 16 checks for cuffs.

SELVAS ACCUNIQ BP500 v SELVAS ACCUNIQ BP651 Results

All of the requirements of the protocol were satisfied without any adjustments or violations.

For each equivalence check, there were 320 items to be compared, of which 72 were core items broken down into 63 technical and nine clinical items. While the cuffs are defined as clinical items in terms of the device, they are analysed separately and contain their own core items. The 248 noncore items were grouped in into 11 "identity", 193 "feature" and 44 "accessory" subgroups.

The functionalities defined for 2 of the core items (analogue filter model and inflation target value) were not applicable to the device functionality of either of the devices and 14 which were not provided on either of the devices. This left 56 items, of which 54 were identical on both devices. The first remaining item referred to the cuffs used. Separate equivalence procedures proved that the provision of these items were equivalent (the only difference being the colour of a deco cover on the front). The second referred to the firmware. Firmware for the BP651 includes a facility for BP classification and a separate arm-positioning indicator, instead of reuse of a heart symbol in the other devices. The functionality of none of these features has any effect on the blood pressure measurement functionality of the firmware. Worth noting is that SELVAS uses one of two pumps in the production of these devices. Both pumps are manufactured specifically for the devices and details specification were provided to prove that they operate identically.

For the identity items, four were not applicable to either of the devices, five were identical on all devices, two (name and model number) were equivalent across both devices.

The functionalities defined for 77 of the feature items were not applicable to the device functionality of either of the devices, 66 were not provided on either of the devices and 39 were identical on both devices. The differences in the remaining 11 items are 1) the aforementioned separate arm-positioning indicator on the BP651 (compared as being better than that on the other four devices), 2) the aforementioned dual use of the heart symbol for this function on the BP500 (compared as being, of itself, better than that on the BP651), 3) the BP classification (according to the Korean Society of Hypertension 2022⁷) algorithm, 4) the display of this classification, 5) the non-availability of a printed Pulse Wave Pattern, PP, Estimated MAP and Pressure Rate Product on the BP651 along with the unavailable calculation of the PP, MAP and PRP for this device (seven items in total).

The functionalities defined for 15 of the accessory items were not applicable to the device functionality of either of the devices, ten were not provided on either of the devices and 17 were identical on both devices. The differences in the first of the remaining two items related to the colours and material of the Start/Stop and the Emergency Stop buttons. The second related to a built in thermal printer that is not provided on the BP651 but is provided on the BP500.

As information, including that of non-provision, was provided on all 320 items identified for comparison, the comparison and the identification of all differences, as defined by the protocol, was complete. The results of all comparisons are provided in summary and detail tables below.

Cuff Comparison Results

All of the requirements of the protocol were satisfied without any adjustments or violations.

Two cuff designs are provided for which, in total, there were 16 items to be compared, of which 10 were core items broken down into nine technical items and one biological item. The six non-core items are grouped in into four "identity", one "feature" and one "accessory" subgroups.

The functionality, relating to microphones, for one of the core items was not applicable and one not provided to either design and the remaining eight were identical on both designs. For the identity items, three were identical on both designs and one had equivalent provision. The feature item was identical on both designs. The single difference referred to the colour of the deco cover, a ring securing the front of the cuff to the casing).

As information, including that of non-provision, was provided on all 16 items identified for comparison, the comparison and the identification of all differences, as defined by the protocol, was complete. The results of all comparisons are provided in summary and in detail below.

SELVAS ACCUNIQ BP500 v SELVAS ACCUNIQ BP651 Discussion

The SELVAS ACCUNIQ BP651 and the SELVAS ACCUNIQ BP500 have been compared, with respect to oscillometric blood pressure measurement, according to a procedure verified as ensuring that the comparison has been conducted in accordance with the requirements set out in MEDDEV 2.7/1 revision 4. Therefore, any hypothesis that the reliability of the results may be compromised due to protocol adjustment or

violation must be rejected and the results must be considered to be valid.

According to this protocol, the results of the comparison require that the null hypothesis, that the monitors differ in respect to technical, clinical or biological core oscillometric blood pressure measurement technology in the two monitors, is rejected. Therefore, it must be concluded, that the blood pressure oscillometric measurement technology used in the SELVAS ACCUNIQ BP651 is equivalent to that used in the SELVAS ACCUNIQ BP500. Furthermore, the results of any validations carried out this oscillometric blood pressure measurement technology, irrespective of which of the two monitors is used during the validation procedure, must be applied equally to the this technology of both monitors.

For more general use, SELVAS ACCUNIQ BP651 is considered diverse to the SELVAS ACCUNIQ BP500, as each device has some features not available on the other. The BP651 provides BP classification, not available on the BP500, and it has a better arm positioning system. On the other hand, the BP500 has an inbuilt thermal printer and, as a consequence, provides printed derived values of the Estimated MAP, the PP, the PRP and the pulse wave pattern that are not available on the BP651.

Cuff Comparison Discussion

The two styles of cuffs have been compared, with respect to oscillometric blood pressure measurement, according to a procedure verified as ensuring that the comparison has been conducted in accordance with the requirements set out in MEDDEV 2.7/1 revision 4. Therefore, any hypothesis that the reliability of the results may be compromised due to protocol adjustment or violation must be rejected and the results must be considered to be valid.

According to this protocol, the results of the comparison require that the null hypothesis, that the cuffs differ in respect to technical, clinical or biological core oscillometric blood pressure measurement technology in the two cuffs, is rejected. Therefore, it must be concluded, that the oscillometric blood pressure measurement technology used in the Style 1 Cuff is equivalent to that used in the Style 2 Cuff. Furthermore, the results of any validations carried out this blood oscillometric pressure measurement technology, irrespective of which of the two cuffs

is used during the validation procedure, must be applied equally to the this technology of both cuffs.

The comparative result proved that the devices are identical with respect to oscillometric measurement. This means that they are the same except in the colour of an accessory, the front deco cover.

It should be noted that SELVAS does not distinguish between the cuffs and the terms "Style 1" and "Style 2" are used only for the purposes of the equivalence check. As the deco ring is part of the cuff, it was necessary to prove equivalence and this was a neutral nomenclature.

Conclusion

The protocol is designed to test the null hypothesis that the devices are different with respect to a particular blood pressure measurement technology and the hypothesis must be rejected if the respective no difference is found.

Recommendations

The SELVAS ACCUNIQ BP651 has been proven to be equivalent to the SELVAS ACCUNIQ BP500 for blood pressure measurement, meaning that the results of all validations of this technology on either device must be applied to the other device. The SELVAS ACCUNIQ BP500 has been proven to be accurate according to the ISO 81060-2:2018 and ISO 81060-2:2018/Amd 1:2020 protocol requirements⁶. Therefore, as the results of this validation must also be applied to the SELVAS ACCUNIQ BP651, and it must be concluded, that the oscillometric blood pressure measurement technology used in the SELVAS ACCUNIQ BP651 monitor is accurate for blood pressure

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http://ec.europa.eu/DocsRoom/documents/1 7522/attachments/1/translations/

2. The European Parliament and the Council of the European Union. Regulation (EU)

As the protocol was followed strictly, any hypothesis that the reliability of the results may be compromised due to protocol adjustment or violation must also be rejected.

Therefore, as all core measurement items used in measurement of blood pressure the bv oscillometry were either identical or, in the case of the cuffs, equivalent, there is no option but to reject the null hypothesis and conclude that the oscillometric blood pressure measurement technology used in the SELVAS ACCUNIQ BP651 is equivalent to that used in the SELVAS ACCUNIQ BP500 and vice versa. Therefore, it is imperative that the results of any assessment of this technology carried out using one of these devices must also be applied to the same technology in the other device.

Both cuff styles were found to be identical, as regards blood pressure measurement, with the only difference being the colour of the front deco cover.

measurement in adults, when the device is used according to manufacturer instructions.

Certification Decision

The SELVAS ACCUNIQ BP651, is certified by Medaval Ltd., for blood pressure measurement, in adults, as, proven by equivalence, the technology fulfilled the conditions required for a pass in a validation study carried out in accordance with the requirements of the ISO 81060-2:2018 and ISO 81060-2:2018/Amd 1:2020 standard.

Date of Approval: 06 February 2024.

2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices, amending Directive 2001/83/EC, Regulation (EC) No 178/2002 and Regulation (EC) No 1223/2009 and repealing Council Directives 90/385/EEC and 93/42/EEC (Text with EEA relevance). Official Journal of the European Union. 2017 May 05;60(L 117):1-175. Available from: https://eurlex.europa.eu/legal-

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SELVAS ACCUNIQ BP651 v BP500 Comparative-Equivalence

Item Category	Item Description	Reference Device	Test Device	Comparison
Identity	Primary Device Name	ACCUNIQ BP500	ACCUNIQ BP651	Equivalent on both devices
Identity	All device identities	BP500	BP651	Equivalent on both devices
Accessory	Printer Accessory	Integrated as part of device	No printing available	ACCUNIQ BP500 only
Accessory	Button Description(s)	Start/Stop: Indigo Acrylonitrile Butadiene Styrene (ABS) Emergency Stop: Red ABS Available in English or Korean	Start/Stop: Green Acrylic Emergency Stop: Red Acrylic Available in English or Korean	Equivalent on both devices
Core (Technical)	Firmware Name and Version	BP500.EN.1.0.00 (Only to distinguish model number)	BP651.EN.1.0.00 (Only to distinguish model number)	Equivalent on both devices
Core (Clinical)	Cuff List	Style 1	Style 2	Equivalent on both devices
Feature	Analysis: BP Classification	Not provided	Korean Society of Hypertension 2022	ACCUNIQ BP651 only
Feature	MAP Estimated	Optionally on Report only	Not provided	ACCUNIQ BP500 only
Feature	PP Calculated	Optionally on Report only	Not provided	ACCUNIQ BP500 only
Feature	Pressure Rate Product (PRP) Calculated	Optionally on Report only	Not provided	ACCUNIQ BP500 only
Feature	Arm positioning indicator	Special Icon	Special Icon	Better on BP651
Feature	Heartbeat Indicator	Special Icon	Special Icon	Better on BP500
Feature	Pulse Wave Pattern shown	Available on printout	Not provided	ACCUNIQ BP500 only
Feature	PP Shown	Available on printout	Not provided	ACCUNIQ BP500 only
Feature	Estimated MAP ((SBP + 2 × DBP) / 3) shown	Available on printout	Not provided	ACCUNIQ BP500 only
Feature	Pressure Rate Product (PRP = SBP × PR) shown	Available on printout	Not provided	ACCUNIQ BP500 only
Feature	BP Classification indicated	Classification not indicated	Indicator squares	ACCUNIQ BP651 only

Summary of Differences

Comparison of Primary Details

Item Category	ltem Description	Reference Device	Test Device	Comparison	Category
Primary Det	ails				
Device Identif	ication				
Identity	Primary Device Name	ACCUNIQ BP500	ACCUNIQ BP651	EL	I
Identity	All device identities	BP500	BP651	EL	I
Identity	All Measurement Modes	Oscillometric	Oscillometric	EP	I
Identity	Defined Measurement Mode	Oscillometric	Oscillometric	EP	I
Manufacturers	5				

Item Category	Item Description	Reference Device	Test Device	Comparison	Category
Identity	Branding Company	ACCUNIQ	ACCUNIQ	EP	I
Identity	Distributer	SELVAS Healthcare, Inc. 155 Sinseong-ro, Yuseong-gu, Daejeon, Republic of Korea	SELVAS Healthcare, Inc. 155 Sinseong-ro, Yuseong-gu, Daejeon, Republic of Korea	EP	I
Identity	Own Brand Labeller	Not applicable	Not applicable	XB	I
Identity	Original Equipment Manufacturer	Not applicable	Not applicable	XB	I
Identity	Regulation Manufacturer	Not applicable	Not applicable	XB	I
Identity	Sole Manufacturer	SELVAS Healthcare, Inc. 155 Sinseong-ro, Yuseong-gu, Daejeon, Republic of Korea	SELVAS Healthcare, Inc. 155 Sinseong-ro, Yuseong-gu, Daejeon, Republic of Korea	EP	I
Identity	Other role	Not applicable	Not applicable	XB	I
Documentation	Contact	elliott.k.kim@SELVAShc.com, 82-42-879-3026	elliott.k.kim@SELVAShc.com, 82-42-879-3026		-
Primary Descrip	tors				
Feature	Measuring Functions	Blood Pressure	Blood Pressure	EP	F
Feature	Primary Client Use	Use as a public facility	Use as a public facility	EP	F
Documentation	Validation Publications	None	None		-
Core (Clinical)	Measurement Site	Upper Arm	Upper Arm	EP	С
Feature	Measurement Occurrence	Single measurement	Single measurement	EP	F
Documentation	Availability	Available Currently	Available Currently		_
Feature	Accessibility	Optional voiced instructions and results	Optional voiced instructions and results	EP	F
Feature	Voiced Languages	Korean / English	Korean / English	EP	F
Documentation	Warranty	0	0		А
Files Supplied					
Documentation	User Manual Supplied	Yes	Yes		-
Documentation	Service Manual Supplied	Yes	Yes		_
Documentation	Specifications Supplied	Yes	Yes		_

Documentation Device Image Supplied



Item Category	Item Description	Reference Device	Test Device	Comparison	Category
Documentation	Display Image Supplied	최고혈압 mmbi 대 대 문 문 41 취지혈압 mmbi 대 대 민 대 민 대 민 대 민 대 민 대 민 대 민 대 민 대 민 대	ACCUNIQ 비 교 후 영 4 2023.08, :: 102-38 수축기 단독 고혈압 고혈압 121 고혈압 121 고혈압 121 고혈압 121 고혈압 122 고혈압 122 고혈압 122 고혈압 121 고혈압 121 고혈압 121 고혈압 121 고혈압 121 고혈압 121 고혈압 121 고혈압 121 고향압 121		_
Documentation	Standards-Compliance supplied	Х	None		-
Documentation	Pre-clinical studies supplied	None	None		_

Comparison of Standard Device Details

Item Category	Item Description	Reference Device	Test Device	Comparison	Category
Standard Dev	vice Hardware				
Casing					
Accessory	Length	502 mm	502 mm	EP	А
Accessory	Width	450 mm	450 mm	EP	А
Accessory	Height	279 mm	279 mm	EP	А
Accessory	Weight (with batteries)	4800 g	4800 g	EP	А
Accessory	Number of Screens	1	1	EP	А
Accessory	Screen Type	Segment LCD	Segment LCD	EP	А
Accessory	Screen Width	130 mm	130 mm	EP	А
Accessory	Screen Height	90 mm	90 mm	EP	А
Accessory	Screen Backlight	Yes	Yes	EP	А
Accessory	Adjustable Font Size	Not applicable	Not applicable	ХВ	А
Climate					
Core (Technical)	Minimum Storage Temperature	-10 °C	-10 °C	EP	С
Core (Technical)	Maximum Storage Temperature	+60 °C	+60 °C	EP	С
Core (Technical)	Minimum Operating Temperature	+10 °C	+10 °C	EP	С
Core (Technical)	Maximum Operating Temperature	+40 °C	+40 °C	EP	С
Core (Technical)	Minimum Storage Humidity	0 %RH	0 %RH	EP	С
Core (Technical)	Maximum Storage Humidity	94 %RH	94 %RH	EP	С
Core (Technical)	Non-condensing Storage Humidity	Yes	Yes	EP	С
Core (Technical)	Minimum Operating Humidity	15 %RH	15 %RH	EP	С
Core (Technical)	Maximum Operating Humidity	85 %RH	85 %RH	EP	С
Core (Technical)	Non-condensing Operating Humidity	Yes	Yes	EP	С
Core (Technical)	Minimum Storage Atmospheric Pressure	700 hPa	700 hPa	EP	С
Core (Technical)	Maximum Storage Atmospheric Pressure	1060 hPa	1060 hPa	EP	C
Core (Technical)	Minimum Operating Atmospheric Pressure	700 hPa	700 hPa	EP	С
Core (Technical)	Maximum Operating Atmospheric Pressure	1060 hPa	1060 hPa	EP	С
Core (Technical)	Approximate Maximum Altitude	≈3000 m	≈3000 m	EP	С
Power					
Accessory	Battery Type	No batteries used	No batteries used	EB	А
Accessory	Battery Size	Not applicable	Not applicable	XB	А
Accessory	Battery Details	Not applicable	Not applicable	XB	А
Accessory	Battery Quantity	0	0	EP	А

Item Category	Item Description	Reference Device	Test Device	Comparison	Category
Accessory	Battery Life (# measurements)	Not applicable	Not applicable	EP	А
Accessory	Rechargeable battery use	Rechargeable batteries not permitted	Rechargeable batteries not permitted	EB	А
Accessory	AC Adapter Provision	Required – Device only operates from mains	Required – Device only operates from mains	EP	А
Core (Technical)	AC Adapter Number(s)	BRIDGEPOWER BPM060S12F14	BRIDGEPOWER BPM060S12F14	EP	С
Accessory	Automatic Power On	No automatic power on	No automatic power on	EB	А
Accessory	Automatic Power Off	No automatic power off	No automatic power off	EB	А
Communication		· · · · · · · · · · · · · · · · · · ·			
Accessory	Communication Port	USB and RS232	USB and RS232	EP	А
Accessory	Cable Provided	Yes	Yes	EP	Α
Audio					
Feature	Voice Memo Recorder	Not provided	Not provided	EB	F
Accessories					
Accessory	Storage/Carrying Case	Not applicable – not intended to be portable	Not applicable – not intended to be portable	XB	А
Accessory	Lid	Not applicable – not intended to be closed	Not applicable – not intended to be closed	XB	А
Accessory	Desk mount facilities	Not applicable	Not applicable	XB	А
Accessory	Wall mount facilities	Not applicable	Not applicable	ХВ	А
Accessory	Mobile mount facilities	Not applicable	Not applicable	XB	А
Accessory	Pouch	Not applicable	Not applicable	ХВ	А
Accessory	Belt	Not applicable	Not applicable	ХВ	Α
Accessory	Belt Clip	Not applicable	Not applicable	XB	Α
Accessory	Shoulder Straps	Not applicable	Not applicable	XB	A
Accessory	Printer	Integrated as part of device	No printing available	RP	A
Accessory	Card Holder	Not applicable	Not applicable	XB	A
Appearance				7.0	
Accessory	Case Description	White/Grey Available in English and/or Korean	White/Grey Available in English and/or Korean	EP	А
Accessory	Button Description(s)	Start/Stop: Indigo Acrylonitrile Butadiene Styrene (ABS) Emergency Stop: Red ABS Available in English or Korean	Start/Stop: Green Acrylic Emergency Stop: Red Acrylic Available in English or Korean	EL	A
Accessory	Other Description(s)	Not applicable	Not applicable	ХВ	А
Standard Dev	vice Firmware				
Algorithm					
Core (Technical)	Firmware Name and Version	BP500.EN.1.0.00 (Only to distinguish model number)	BP651.EN.1.0.00 (Only to distinguish model number)	EL	С
Standard Dev	vice Software				
Memory					
Feature	Number of Memory Locations per User/Zone	0	0	EP	F

Feature Value shown before measurement Not applicable (No memory facility) Not applicable (No memory facility) Not applicable (No memory facility) XB F Feature Average displayed on measurement completion Not Applicable (No memory facility) Not Applicable (No memory facility) Not Applicable (No memory facility) XB F Veasurement	Item Category	Item Description	Reference Device	Test Device	Comparison	Category
Feature AccessoryMetapolicable (No memory facility)Not applicable (No memory facility)X8FAccessory AccessoryDate StoredNot applicable (No memory facility)Not applicable (No memory facility)X8FFeature FeatureTime StoredNot applicable (No memory facility)Not applicable (No memory facility)X8FFeature FeatureFacility to mark unique resultsNot applicable (No memory facility)Not applicable (No memory facility)X8FFeature FeatureFacility to mark unique resultsNot applicable (No memory facility)Not Applicable (No memory facility)X8FFeature FeatureValue shown before measurementNot applicable (No memory facility)Not applicable (No memory facility)X8FFeature Core (Technical)Value shown before measurementNot applicable (No memory facility)Not applicable (No memory facility)X8FFeature FoatureConde Mol M02 M09 M15 M16 M18 D01 D06 D12 D23 D24Mol M02 M09 M15 M16 M18 D01 D06 D12 D23 D24CFFoature FoatureSoftware UseNo proprietary software providedEBAAccessory ClockNot providedNot providedNot providedEBAAccessory ClockNot providedNot providedEBAAccessory ClockNot providedNot providedEBAAccessory ClockNot providedNot providedEBAAccessory ClockNot providedNot providedNot pr	Feature	Number of Users/Zones	0	0	EP	F
Accessory Memory card slot Not provided Not provided EB A Feature Date Stored Not applicable (No memory facility) Not applicable (No memory facility) XB F Feature Time Stored Not applicable (No memory facility) Not applicable (No memory facility) XB F Feature Facility to mark unique results Not applicable (No memory facility) Not applicable (No memory facility) XB F Feature Facility to mark unique results Not applicable (No memory facility) Not applicable (No memory facility) XB F Feature Value shown before measurement Not applicable (No memory facility) Not applicable (No memory facility) XB F Feature Value shown before measurement Not applicable (No memory facility) Not applicable (No memory facility) XB F Gree (Technical) Error Codes M01 M02 M09 M15 M16 M18 D01 D06 D12 D23 EP C C Gree (Technical) Error Codes No proprietary software provided No proprietary software provided EB F Feature Software Use No proprietary software provided Not applicable Not applica	Feature	Non-memory use (Guest mode)	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature Date Stored Not applicable (No memory facility) Not applicable (No memory facility) XB F Feature Error Code Stored Not applicable (No memory facility) Not applicable (No memory facility) XB F Feature Facility Not applicable (No memory facility) Not applicable (No memory facility) XB F Feature Facility Not Applicable (No memory facility) Not Applicable (No memory facility) XB F Feature Facility Not Applicable (No memory facility) Not Applicable (No memory facility) XB F Feature Value shown before measurement Not Applicable (No memory facility) Not Applicable (No memory facility) XB F Feature Value shown before measurement Not Applicable (No memory facility) Not Applicable (No memory facility) XB F Core (Technical) Error Codes M01 M02 M09 M15 M16 M18 D01 D06 D12 D23 D24 M01 M02 M09 M15 M16 M18 D01 D06 D12 D23 D24 EP C Feature Software Use No proprietary software provided No proprietary software provided EB A Accessory Clock Not provided Not provided EB A Accessory Raido Not provided Not provided EB A	Feature	Method of Clearing Memory	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature FeatureTime StoredNot applicable (No memory facility)Not applicable (No memory facility)XBFFeature PeatureFacility to mark unique resultsNot applicable (No memory facility)Not applicable (No memory facility)XBFFeature PeatureValue shown before measurementNot applicable (No memory facility)Not applicable (No memory facility)XBFFeature PeatureValue shown before measurementNot applicable (No memory facility)Not applicable (No memory facility)XBFFeature PeatureValue shown before measurement completion measurement completionNot Applicable (No memory facility)Not Applicable (No memory facility)XBFFeature 	Accessory	Memory card slot	Not provided	Not provided	EB	А
Feature Error Code Stored Not applicable (No memory facility) Not applicable (N	Feature	Date Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature ProcedureFeature FeatureValue shown before measurement Not applicable (No memory facility)Not applicable (Not applicable (No memory facility)Not applicable (Not applicable (Not applicable (Not applicable (Not applicable (Not applicable (Not provided (Not provided Not provided Not provided Not provided Not provided Not provided (Not provided Not provided Not provided (Not provided Not pro	Feature	Time Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	ХВ	F
Procedure Value shown before measurement Not applicable (No memory facility) Not applicable (No memory facility) XB F Feature Value shown before measurement completion Not Applicable (No memory facility) Not Applicable (No memory facility) Not Applicable (No memory facility) XB F Measurement Mot Mop M15 M16 M18 D01 D06 D12 D23 D24 Mot M02 M09 M15 M16 M18 D01 D06 D12 D23 D24 Mot M02 M09 M15 M16 M18 D01 D06 D12 D23 D24 EP C Analysis F No proprietary software provided No proprietary software provided EB F Feature Software Use No proprietary software provided No t applicable No t applicable XB F Von-Medical Extra Features Not provided Not provided Not provided EB A Accessory Clock Not provided Not provided EB A Accessory Radio Not provided Not provided EB A Accessory Alarin Not provided Not provided EB A Accessory Alarine Not provided	Feature	Error Code Stored			ХВ	F
Feature Value shown before measurement Not applicable (No memory facility) Not applicable (No memory facility) Not applicable (No memory facility) XB F Feature Average displayed on measurement completion Not Applicable (No memory facility) Not Applicable (No memory facility) XB F Weasurement M01 M02 M09 M15 M16 M18 D01 D06 D12 D23 D24 M01 M02 M09 M15 M16 M18 D01 D06 D12 D23 D24 EP C Core (Technical) Error Codes M01 M02 M09 M15 M16 M18 D01 D06 D12 D23 D24 M01 M02 M09 M15 M16 M18 D01 D06 D12 D23 D24 EP C Analysis EP C Feature Proprietary Software Name No proprietary software provided No tapplicable NB F Von-Medical Extra Features Kacessory C A Accessory Alarm Not provided Not provided Not provided EB A Accessory Radio Not provided Not provided Not provided EB A Accessory Radio Not provided Not provided Not provided EB A	Feature	Facility to mark unique results	Not Applicable (No memory facility)	Not Applicable (No memory facility)	ХВ	F
Peature Average displayed on measurement completion Not Applicable (No memory facility) Not Applicable (No memory facility) XB F Measurement I Feature M01 M02 M09 M15 M16 M18 D01 D06 D12 D23 D24 M01 M02 M09 M15 M16 M18 D01 D06 D12 D23 D24 M01 M02 M09 M15 M16 M18 D01 D06 D12 D23 D24 EP C Analysis Feature Software Use No proprietary software provided No proprietary software provided EB F Feature Software Use No trapplicable No trapplicable XB F Von-Medical Extra Features Not provided Not provided Not provided EB A Accessory Clock Not provided Not provided EB A Accessory Adalo Not provided Not provided EB A Accessory Adalo Not provided Not provided EB A Standard Device Features This device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results. - - - Standard Device Features None None -	Procedure	· · ·				
Feature measurement completion measurement completionNot Applicable (No memory facility)Not Applicable (No memory facility)Not Applicable (No memory facility)XBFMeasurementM01 M02 M09 M15 M16 M18 D01 D06 D12 D23 D24M01 M02 M09 M15 M16 M18 D01 D06 D12 D23 D24D24D24CAnalysisFToToToToToCFeatureSoftware UseNo proprietary software providedNo proprietary software providedEBFFeatureProprietary Software NameNo tropolicableNo tropolicableEBAAccessoryClockNot providedNot providedEBAAccessoryAmalioNot providedNot providedEBAAccessoryAmalient TemperatureNot providedNot providedEBAAccessoryAmalient TemperatureNot providedEBAAccessoryAmalient TemperatureNot providedEBA <td>Feature</td> <td>Value shown before measurement</td> <td>Not applicable (No memory facility)</td> <td>Not applicable (No memory facility)</td> <td>XB</td> <td>F</td>	Feature	Value shown before measurement	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Moti Mode More Mise Mide More Mise Mide Mide Mide Mide Mide Mide Mide Mid	Feature				ХВ	F
Defer (Echnical)Error CodesD24D24EPCAnalysisAnalysisFFeatureSoftware UseNo proprietary software providedNo proprietary software providedEBFFeatureProprietary Software NameNot applicableNot applicableXBFKorn-Medical Extra FeaturesNot providedNot providedEBAKocessoryClockNot providedNot providedEBAAccessoryRadioNot providedNot providedEBAAccessoryRadioNot providedNot providedEBAAccessoryRadioNot providedNot providedEBAAccessoryRadioNot providedNot providedEBAAccessoryRadioNot providedNot providedEBAAccessorySammaryThis device is an electronic device used to measure blood pressure in a non-invasive way outside the bloody pressure in a non-invasive way outside the bloody pressure and heart rate are measured and displayed as resultsOcumentationItems not listedNoneKearsurementFShownShownEPFFeaturePlotNo plot providedFNFFeatureNo plot providedFNNo plot providedEBF	Measurement					
FeatureSoftware UseNo proprietary software providedNo proprietary software providedEBFFeatureProprietary Software NameNot applicableNot applicableXBFVon-Medical Extra FeaturesKacessoryClockNot providedNot providedEBAAccessoryClockNot providedNot providedEBAAccessoryRadioNot providedNot providedEBAAccessoryRadioNot providedNot providedEBAAccessoryAmbient TemperatureNot providedNot providedEBACoccumentationFeatures SummaryThis device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and are measured and displayed as resultsSocumentationItems not listedNoneCocumentationItems not listedNoneKeasurementFeaturesShownShownEPFFeatureMeasurement Unit(s)ShownShownEBFFeaturePlotNo plot providedNo plot providedEBF	Core (Technical)	Error Codes			EP	С
FeatureProprietary Software NameNot applicableNot applicableXBFVon-Medical Extra FeaturesAccessoryClockNot providedNot providedEBAAccessoryAlarnNot providedNot providedEBAAccessoryRadioNot providedNot providedEBAAccessoryAlarnNot providedNot providedEBAAccessoryAdressoryAdressoryMot providedEBAAccessoryAmbient TemperatureNot providedNot providedEBAAccessoryAmbient TemperatureThis device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as resultsCocumentationItems not listedNoneNoneStandard Screen and Audio IndicatorsShownShownShownFFFFeatureMeasurement<	Analysis					
Non-Medical Extra Features Accessory Clock Not provided Not provided EB A Accessory Alarm Not provided Not provided EB A Accessory Alarm Not provided Not provided EB A Accessory Ambient Temperature Not provided Not provided EB A Accessory Ambient Temperature Not provided Not provided EB A Standard Device Features This device is an electronic device used to measure blood pressure in a non-invasive way outside the blood, The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results. - - - Occumentation Items not listed None no - - - Standard Screen and Audio Indicators Shown Shown EP F Measurement Feature No plot provided Function not provided EB F Feature Measurement Unit(s) Shown Shown EB F Feature Plot No plot provided Function not provided EB F <td>Feature</td> <td>Software Use</td> <td>No proprietary software provided</td> <td>No proprietary software provided</td> <td>EB</td> <td>F</td>	Feature	Software Use	No proprietary software provided	No proprietary software provided	EB	F
AccessoryClockNot providedNot providedEBAAccessoryAlarmNot providedNot providedEBAAccessoryRadioNot providedNot providedEBAAccessoryRadioNot providedNot providedEBAAccessoryAmbient TemperatureNot providedNot providedEBAAccessoryAmbient TemperatureNot providedNot providedEBAStandard Device FeaturesFeatures SummaryThis device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure are measured and displayed as resultsOccumentationItems not listedNoneNoneMasurementFeaturesShownShownEPFFeatureMeasurement Unit(s)ShownShownEPFFeaturePlotNo plot providedNo plot providedEBF	Feature	Proprietary Software Name	Not applicable	Not applicable	XB	F
Accessory AccessoryAlarmNot providedNot providedEBAAccessoryRadioNot providedNot providedNot providedEBAAccessoryAmbient TemperatureNot providedNot providedEBAAccessoryAmbient TemperatureNot providedNot providedEBAAccessoryAmbient TemperatureNot providedNot providedEBAAccessoryAmbient TemperatureNot providedNot providedEBAStandard Device FeaturesStandard Device FeaturesFeatures SummaryThis device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as resultsSocumentationItems not listedNoneStandard Screen and Audio IndicatorsNoneNoneMeasurementFeatureMeasurement Unit(s)ShownShownEPFFeatureAverage - OverallFunction not providedFunction not providedEBFFeaturePlotNo plot providedNo plot providedEBFError IndicatorsShownShownEBF	Non-Medical Extr	ra Features				
AccessoryRadioNot providedEBAAccessoryAmbient TemperatureNot providedEBAAccessoryAmbient TemperatureNot providedEBAStandard Device FeaturesSummaryDocumentationFeatures SummaryThis device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure and heart rate are measured and displayed as resultsOocumentationItems not listedNoneStandard Screen and Audio IndicatorsNoneMasurement FeatureFeatureFunction not providedFunction not providedEBFFeatureAverage - OverallFunction not providedFunction not providedEBFError IndicatorsNo plot providedNo plot providedEBF	Accessory	Clock	Not provided	Not provided	EB	А
AccessoryAmbient TemperatureNot providedNot providedEBAStandard Device FeaturesSummaryDocumentationFeatures SummaryThis device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure and heart rate are measured and displayed as resultsDocumentationItems not listedNoneNoneStandard Screen and Audio IndicatorsMeasurementMeasurement Unit(s)ShownShownEPFFeatureAverage - OverallFunction not providedFunction not providedEBFFeaturePlotNo plot providedNo plot providedEBF	Accessory	Alarm	Not provided	Not provided	EB	А
Standard Device Features Summary Summary Documentation Features Summary Documentation Items not listed Documentation Items not listed None None Documentation Items not listed Measurement None Feature Measurement Feature Measurement Unit(s) Shown Shown Feature Plot No plot provided No plot provided Feature Plot	Accessory	Radio	Not provided	Not provided	EB	Α
Summary This device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results. This device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results. This device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results. This device is an electronic device used to measure blood pressure and heart rate are measured and displayed as results. This device is an electronic device used to measure blood pressure and heart rate are measured and displayed as results. This device is an electronic device used to measure blood pressure and heart rate are measured and displayed as results. This device is an electronic device used to measure are measured and displayed as results. This device is an electronic device used to measure are measured and displayed as results. This device is an electronic device used to measure are measured and displayed as results. This device is an electronic device used to measure are measured and displayed as results. This device is an electronic device used to measure are measured and displayed as results. This device is an electronic device used to measure are measured and displayed as results. This device is an electronic device used to measure are measured and displayed as results. This device is an electronic device used to measure are measured and displ	Accessory	Ambient Temperature	Not provided	Not provided	EB	А
DocumentationFeatures SummaryThis device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure body. The cuff is automatically	Standard Dev	vice Features	·			
DocumentationFeatures SummaryThis device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure in a non-invasive way outside the body. The cuff is automatically pressurized and systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure systolic and diastolic blood pressure and heart rate are measured and displayed as results.This device is an electronic device used to measure body. The cuff is automatically	Summarv					
systolic and diastolic blood pressure and heart rate are measured and displayed as results. systolic and diastolic blood pressure and heart rate are measured and displayed as results. Documentation Items not listed None - Standard Screen and Audio Indicators Measurement After Measurement Shown Shown EP F Feature Average – Overall Function not provided Function not provided EB F Feature Plot No plot provided No plot provided EB F	· · · · · · · · · · · · · · · · · · ·	Features Summary	blood pressure in a non-invasive way outside the	blood pressure in a non-invasive way outside the		_
Standard Screen and Audio Indicators Measurement After Measurement Feature Measurement Unit(s) Shown EP F Feature Average – Overall Function not provided Function not provided FB F Feature Plot No plot provided No plot provided EB F Error Indicators F F F F F	Documentation		systolic and diastolic blood pressure and heart rate	systolic and diastolic blood pressure and heart rate		
Measurement After Measurement Feature Measurement Unit(s) Shown Shown EP F Feature Average – Overall Function not provided Function not provided EB F Feature Plot No plot provided No plot provided EB F Error Indicators F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F <	Documentation	Items not listed	None	None		_
After Measurement Feature Measurement Unit(s) Shown Shown EP F Feature Average – Overall Function not provided Function not provided EB F Feature Plot No plot provided No plot provided EB F Error Indicators F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F	Standard Scr	een and Audio Indicators				
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FeatureAverage – OverallFunction not providedFunction not providedEBFFeaturePlotNo plot providedNo plot providedEBFError Indicators	Feature	Measurement Unit(s)	Shown	Shown	EP	F
Feature Plot No plot provided No plot provided EB F Error Indicators F F F F F	Feature		Function not provided	Function not provided		F
Error Indicators	Feature		•	· · · · · · · · · · · · · · · · · · ·	EB	F
	Error Indicators					
	Feature	Measurement Error	"Error" text with code or number	"Error" text with code or number	EP	F

Item Category	Item Description	Reference Device	Test Device	Comparison	Category
Timestamp					
Feature	Date and Time	Date and Time shown	Date and Time shown	EP	F
Feature	Time Format	24-hour and 12-hour clocks	24-hour and 12-hour clocks	EP	F
Markers					
Feature	Event – Medication	Function not provided	Function not provided	EB	F
Memory					
Feature	Value from Memory	Not applicable (No memory facility)	Not applicable (No memory facility)	ХВ	F
Feature	Recorded Measurement Timestamp	Not applicable (No memory facility)	Not applicable (No memory facility)	ХВ	F
Feature	Memory Location Number	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Memory Locations Used	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Memory Full	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Memory Zone Name	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Delete memory	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Non-Measuremer	nt				
Power					
Feature	Battery Symbol	Not applicable (No battery)	Not applicable (No battery)	XB	F
Feature	Battery Charging Indicator	Not applicable (No charging)	Not applicable (No charging)	XB	F
Feature	Voltage Check	Function not provided	Function not provided	EB	F
Feature	AC Adapter Symbol	Function not provided	Function not provided	EB	F
Feature	Power Error Symbol	Error code	Error code	EP	F
Feature	Start	Function not provided	Function not provided	EB	F
Feature	Stop	Function not provided	Function not provided	EB	F
Communication	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
Feature	Reminder to Transfer Data	Function not provided	Function not provided	EB	F
Feature	Device Connected	Special Icon	Special Icon	EP	F
Feature	Transmitting Data	Function not provided	Function not provided	EB	F
	Transmission Successful	Function not provided	Function not provided	EB	F
Feature	Transmission Unsuccessful	Function not provided	Function not provided	EB	F
Feature	Signal out-of-range	Function not provided	Function not provided	EB	F
Feature	PC Link	Reuse of 7-segment characters	Reuse of 7-segment characters	EP	F
Settings					
Feature	Settings	Function not provided	Function not provided	EB	F
Feature	Initialisation	Function not provided	Function not provided	EB	F
Feature	Hide measurement display option	Not provided	Not provided	EB	F
Audio Indicators		÷	·		
Feature	Sound Volume	Seven levels	Seven levels	EP	F
Footuro	Measurement Value	Optional Voiced Indicator	Optional Voiced Indicator	EP	F
Feature				LI	1

FeatureStatistics ValueNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNonePeterFeatureMeasurement CompleteOptional Viced IndicatorOptional Viced IndicatorPeterFeatureScreen FauguagitaNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNoneNone <t< th=""><th>Item Category</th><th>Item Description</th><th>Reference Device</th><th colspan="2">ence Device Test Device</th><th>Category</th></t<>	Item Category	Item Description	Reference Device	ence Device Test Device		Category
Feature Measurement Complete Optional Voiced Indicator Optional Voiced Indicator EP F Feature Vaice Recorder Function not provided Function not provided EB F Department Screen Background Colour(s) Black Black Black EP A Feature Screen Font Colour(s) Black Black Black EP A Feature Screen Font Colour(s) None None EB A Standard Buttons and Switches Screen Language(s) None None EP F Feature Screen Conguage(s) Power Power EP F Feature Power Off Power Power EP F Feature Start/Stop Start/Stop EP F Feature Increase value Up Up EP F Feature Ners value Not applicable Not applicable XB F Feature Ner value Not applicable Not app	Feature		None	None	EB	F
Feature Measurement Error Optional Voiced Indicator PP F Feature Voice Recorder Function not provided Function not provided FB Display Feature Screen Background Colour(s) Black Black EP A Feature Screen Fort Colour(s) White White EP A Standard Buttons and Switches None None None EB A Standard Buttons and Switches Power Power EP F Feature Power On Power Power EP F Feature Start Start/Stop Start/Stop EP F Feature Start Start/Stop Start/Stop EP F Feature Increase value Up Up EP F Feature Next value Not applicable Not applicable X8 F Feature Increase value Up Up EP F Feature	Feature	Measurement Reminder	None		EB	F
FeatureVoice RecorderFunction not providedFunction not providedEBFDisplayFeatureScreen Background Colour(s)BlackBlackBlackEPAFeatureScreen Font Colour(s)WhiteWhiteWhiteAFeatureScreen Ianguage(s)NoneNoneEBAStandard Buttons and SwitchesVoice Reven Ianguage(s)NonePowerPowerEPFFeaturePower OffPower OffPowerPowerEPFFFeatureStart StapStart/StopStart/StopEPFFFeatureIncrease valueUpUpEPFFFeatureIncrease valueNot applicableNot applicableXBFFeatureIncrease valueNot applicableNot applicableXBFFeatureIncrease valueNot applicableNot applicableXBFFeatureIncrease valueNot applicableNot applicableXBFFeatureMemory modeNot applicableNot applicableXBFFeatureMemory bark selectionNot applicableNot applicableXBFFeatureDecrease valueNot applicableNot applicableXBFFeatureDecrease valueNot applicableNot applicableXBFFeatureDecrease valueNot applicableNot applicableXBFFeatureDecrease value </td <td>Feature</td> <td>Measurement Complete</td> <td>Optional Voiced Indicator</td> <td>Optional Voiced Indicator</td> <td>EP</td> <td>F</td>	Feature	Measurement Complete	Optional Voiced Indicator	Optional Voiced Indicator	EP	F
Display Display Display Display Feature Screen Background Colour(s) Black Black EP A Feature Screen Language(s) None None EB A Standard Buttons and Switches Power EP F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F F	Feature	Measurement Error	Optional Voiced Indicator	Optional Voiced Indicator	EP	F
FeatureScreen Background Colour(s)BlackBlackBlackEPAFeatureScreen Font Colour(s)WhiteWhiteBPAFeatureScreen Language(s)NoneNoneEBAStandard Buttons and SwitchesStandard Buttons and SwitchesBowerPower OnPowerPowerPowerEPFFeaturePower OffPowerPowerEPFFeatureStard Stard Stard Stard StardStard/StardEPFFeatureStardStard/StardDownEPFFeatureIncrease valueUpUpEPFFeaturePrevious valueNot applicableNot applicableXBFFeaturePrevious valueNot applicableNot applicableXBFFeatureIncrease valueDown and SetDown and SetEPFFeatureIncrease valueNot applicableNot applicableXBFFeatureIncrease valueDown and SetDown and SetEPFFeatureIncrease valueNot applicableNot applicableXBFFeatureMemory modeNot applicableNot applicableXBFFeatureMemory modeNot applicableNot applicableXBFFeatureDeverase valueNot applicableNot applicableXBFFeatureMemory modeNot applicableN	Feature	Voice Recorder	Function not provided	Function not provided	EB	F
FeatureScreen Font Colour(s)WhiteWhiteWhiteEPAFeatureScreen Language(s)NoneNoneEPAStandard Butt-ons and Switches<	Display					
FeatureScreen Language(s)NoneNoneEBAStandard Buttons and SwitchesRowerFeaturePower OnPowerPowerPowerEPFFeaturePower OffPowerPowerEPFFeatureStart StopStart/StopEPFFeatureStartStart/StopStart/StopEPFFeatureStopStart/StopStart/StopEPFFeatureIncrease valueUpUpEPFFeatureIncrease valueDownDownEPFFeaturePrevious valueNot applicableNot applicableXBFFeatureNet valueNot applicableNot applicableXBFFeatureNet valueNot applicableNot applicableXBFFeatureNet valueNot applicableNot applicableXBFFeatureNet valueNot applicableNot applicableXBFFeatureDown and SetDown and SetEPFFeatureMemory modeNot applicableNot applicableXBFFeatureMemory bank selectionNot applicableNot applicableXBFDeter serveNot applicableNot applicableNBFFeatureDown, Set and UpDown, Set and UpEPFFeatureMemory bank selectionNot applicableNot applicableXBF </td <td>Feature</td> <td>Screen Background Colour(s)</td> <td>Black</td> <td>Black</td> <td>EP</td> <td>Α</td>	Feature	Screen Background Colour(s)	Black	Black	EP	Α
Standard Buttons and Switches Power Power On Power On Power Power Power EP F Feature Power Off Power Power Power EP F Feature Start Start/Stop Start/Stop EP F Feature Start/Stop Start/Stop Start/Stop EP F Up/Down V Vp Up EP F Feature Increase value Up Up EP F Feature Decrease value Down Down EP F Feature Increase value Not applicable Not applicable X8 F Feature Increase value Not applicable Not applicable X8 F Feature Increase value Down and Set Down and Set EP F Feature Memory bank selection Not applicable Not applicable X8 F Feature Memory bank selection Not applicable Not applicable X8 F Feature	Feature	Screen Font Colour(s)	White	White	EP	А
Power Power On Power Power EP F Feature Power Off Power Power EP F Feature Start Start/Stop Start/Stop EP F Feature Start Start/Stop Start/Stop EP F Feature Start Start/Stop Up EP F Feature Increase value Up Up Up EP F Feature Previous value Not applicable Not applicable XB F Feature Previous value Not applicable Not applicable XB F Feature Increase volume Set and Up Set and Up EP F Feature Decrease volume Down and Set Down and Set EP F Feature Memory mode Not applicable Not applicable XB F Feature Memory mode Not applicable Not applicable XB F Fea	Feature	Screen Language(s)	None	None	EB	А
FeaturePower OnPowerPowerPoFFeatureStortStort/StopStort/StopEPFFeatureStartStart/StopStart/StopEPFFeatureStopStart/StopStart/StopEPFFeatureStopStart/StopStart/StopEPFFeatureIncrease valueUpUpEPFFeatureDecrease valueDownDownEPFFeaturePervious valueNot applicableNot applicableXBFFeatureIncrease volumeSet and UpSet and UpEPFFeatureIncrease volumeSet and UpSet and UpEPFFeatureIncrease volumeSet and UpSet and UpEPFFeatureDecrease volumeNot applicableNt applicableXBFFeatureMemory modeNot applicableNt applicableNtFFeatureMemory bank selectionNot applicableNt applicableXBFFeatureDeten add Time settingsDown, Set and UpDown, Set and UpKBFFeatureDate and Time settingsDown, Set and UpDown applicableXBFFeatureDate and Time settingsDown, Set and UpDwSetFFeatureDate and Time settingsDown, Set and UpDwFFFeatureDate and Time settingsNot applicableNt applicableXB <td>Standard But</td> <td>tons and Switches</td> <td></td> <td></td> <td></td> <td></td>	Standard But	tons and Switches				
FeaturePower OffPowerPowerPowerEPFFeatureStartStart/StopStart/StopEPFFeatureStopStart/StopEPFDeverseStart/StopUpUpUpEPFFeatureIncrease valueUpUpUpEPFFeatureDecrease valueDownDownEPFFeaturePrevious valueNot applicableNot applicableX8FFeatureNet valueNot applicableNot applicableX8FFeatureIncrease volumeSet and UpSet and UpEPFFeatureIncrease volumeDown and SetDown and SetPFMemory modeNot applicableNot applicableX8FFeatureMemory modeNot applicableNot applicableX8FFeatureDelete memoryNot applicableNot applicableX8FFeatureDelete memoryNot applicableNot applicableX8FFeatureDelete and Time settingsDown, Set and UpDown, Set and UpEPFFeatureDate and Time settingsDown, Set and UpDown, Set and UpEPFFeatureDate and Time settingsDown, Set and UpDown, Set and UpX8FFeatureInter antime settingsDown, Set and UpDown, Set and UpX8FFeatureDate and Time settingsNot applicable <td>Power</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Power					
FeatureStartStart/StopEPFFeatureStopStart/StopEPFVp/DownStart/StopEPFFeatureIncrease valueUpUpUpEPFFeatureIncrease valueDownDownEPFFeaturePeresae valueDownDownEPFFeaturePeresae valueNot applicableNot applicableXBFFeatureNext valueNot applicableNot applicableXBFFeatureDecrease volumeSet and UpSet and UpEPFFeatureDecrease volumeSet and UpSet and UpEPFFeatureDecrease volumeNot applicableNot applicableXBFMemoryDown and SetDown and SetEPFFeatureMemory modeNot applicableNot applicableXBFFeatureMemory modeNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDate and Time settingsDown, Set and UpDown, Set and UpEPFFeatureDate and Time settingsDown, Set and UpDown, Set and UpKBFFeatureDate and Time settingsNot applicableNot applicableXBFFeatureShow Average <t< td=""><td>Feature</td><td>Power On</td><td>Power</td><td>Power</td><td>EP</td><td>F</td></t<>	Feature	Power On	Power	Power	EP	F
FeatureStart/StopStart/StopEPFUp/DownUpUpUpEPFFeatureIncrease valueDownDownEPFFeatureDecrease valueNot applicableNot applicableXBFFeatureNext valueNot applicableNot applicableXBFFeatureNext valueNot applicableNot applicableXBFFeatureIncrease volumeSet and UpSet and UpEPFFeatureDecrease volumeDown and SetDown and SetEPFFeatureMemory modeNot applicableNot applicableXBFFeatureMemory modeNot applicableNot applicableXBFFeatureMemory bank selectionNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDelete and Time settingsDown, Set and UpDown, Set and UpEPFFeatureDate and Time settingsNot applicableNot applicableXBFFeatureDate and Time settingsNot applicableNot applicableXBFStattisticsImage: Set ind SpNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFFeatureShow Alternative	Feature	Power Off	Power	Power	EP	F
Up/DownIncrease valueUpUpEPFFeatureDocrease valueDownDownEPFFeaturePrevious valueNot applicableNot applicableNot applicableXBFFeatureNext valueNot applicableNot applicableXBFFeatureIncrease volumeSet and UpSet and UpEPFFeatureDoerna of SetDown and SetDown and SetEPFMemorySet and UpSet and UpSet and UpFFFeatureMemory bank selectionNot applicableNot applicableXBFFeatureMemory bank selectionNot applicableNot applicableXBFFeatureDelete last measurementNot applicableNot applicableXBFDate and TimeTTTFFFeatureDate and Time settingsDown, Set and UpDown, Set and UpEPFFeatureAlarm settingsNot applicableNot applicableXBFFeatureDate and Time settingsNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFStatistisFFFFFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow A	Feature	Start	Start/Stop	Start/Stop	EP	F
FeatureIncrease valueUpUpEPFFeatureDecrease valueDownDownEPFFeaturePrevious valueNot applicableNot applicableNot applicableXBFFeatureNext valueNot applicableNot applicableXBFFeatureIncrease volumeSet and UpSet and UpEPFFeatureIncrease volumeSet and UpSet and UpEPFFeatureDecrease volumeDown and SetDown and SetEPFMemoryMemory modeNot applicableNot applicableXBFFeatureMemory modeNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDelete last measurementNot applicableNot applicableXBFDete and TimeDown, Set and UpDown, Set and UpEPFFeatureDate and Time settingsDown, Set and UpDown, Set and UpEPFFeatureAlarm settingsNot applicableNot applicableXBFStatistisTTTFFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeature <td>Feature</td> <td>Stop</td> <td>Start/Stop</td> <td>Start/Stop</td> <td>EP</td> <td>F</td>	Feature	Stop	Start/Stop	Start/Stop	EP	F
FeatureDecrease valueDownEPFFeaturePrevious valueNot applicableNot applicableNot applicableXBFFeatureNext valueNot applicableNot applicableNot applicableXBFFeatureIncrease volumeSet and UpSet and UpEPFFeatureDecrease volumeDown and SetDown and SetEPFMemoryMemory modeNot applicableNot applicableXBFFeatureMemory bank selectionNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDelete nemoryNot applicableNot applicableXBFFeatureDelete nemoryNot applicableNot applicableXBFFeatureDeleta and Time settingsDown, Set and UpDown, Set and UpEPFFeatureDate and Time settingsNot applicableNot applicableXBFFeatureDate and Time announcementNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFFeatureShow AverageNot applicab	Up/Down	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
FeaturePrevious valueNot applicableNot applicableNot applicableXBFFeatureNext valueNot applicableNot applicableNot applicableXBFFeatureIncrease volumeSet and UpSet and UpEPFFeatureDecrease volumeDown and SetDown and SetEPFMemoryFeatureMemory modeNot applicableNot applicableXBFFeatureMemory modeNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDelete last measurementNot applicableNot applicableXBFDate and TimeTTFFFeatureDate and Time settingsDown, Set and UpDown, Set and UpEPFFeatureDate and Time settingsNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFStatisticsTTTFFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicable <td< td=""><td>Feature</td><td>Increase value</td><td>Up</td><td>Up</td><td>EP</td><td>F</td></td<>	Feature	Increase value	Up	Up	EP	F
FeatureNext valueNot applicableNot applicableXBFFeatureIncrease volumeSet and UpSet and UpEPFFeatureDown and SetDown and SetDown and SetEPFMemoryMemory modeNot applicableNot applicableXBFFeatureMemory bank selectionNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDate and Time settingsDown, Set and UpDown, Set and UpEPFFeatureAlarm settingsDown, Set and UpDown, Set and UpEPFFeatureAlarm settingsNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicable<	Feature	Decrease value	Down	Down	EP	F
FeatureIncrease volumeSet and UpSet and UpEPFFeatureDown and SetDown and SetDown and SetEPFMemoryMemory modeNot applicableNot applicableXBFFeatureMemory bark selectionNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDelete ast measurementNot applicableNot applicableXBFDate and TimeTTTFFeatureDate and Time settingsDown, Set and UpDown, Set and UpEPFFeatureDate and Time settingsNot applicableNot applicableXBFFeatureDate and Time announcementNot applicableNot applicableXBFStatisticsFFFFFFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFStatisticsFFFFFFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFFeature <t< td=""><td>Feature</td><td>Previous value</td><td>Not applicable</td><td>Not applicable</td><td>ХВ</td><td>F</td></t<>	Feature	Previous value	Not applicable	Not applicable	ХВ	F
FeatureDecrease volumeDown and SetDown and SetEPFMemoryFeatureMemory modeNot applicableNot applicableXBFFeatureMemory bank selectionNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFDate and TimeNot applicableNot applicableXBFFeatureDate and Time settingsDown, Set and UpDown, Set and UpEPFFeatureAlarm settingsDown, Set and UpNot applicableXBFFeatureAlarm settingsDown, Set and UpNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFStatisticsFShow Alternative AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFSettingsSetSetSetFFFeatureSettingsSetSetFFFeatureConfirmNot applicableNot applicableXBF	Feature	Next value	Not applicable	Not applicable	ХВ	F
MemoryDefendenceDefendenceDefendenceDefendenceFeatureMemory modeNot applicableNot applicableXBFFeatureMemory bank selectionNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDelete last measurementNot applicableNot applicableXBFDate and TimeEEEFFFeatureDate and Time settingsDown, Set and UpDown, Set and UpEPFFeatureAlarm settingsNot applicableNot applicableXBFFeatureDate and Time announcementNot applicableNot applicableXBFStatisticsFFFFFFFeatureShow AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot appl	Feature	Increase volume	Set and Up	Set and Up	EP	F
FeatureMemory modeNot applicableNot applicableXBFFeatureMemory bank selectionNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDelete last measurementNot applicableNot applicableXBFDate and TimeDown, Set and UpDown, Set and UpEPFFeatureAlarm settingsDown, Set and UpDown, Set and UpFFFeatureAlarm settingsNot applicableXBFFeatureDate and Time announcementNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureSetSetSetSetFFeatureSettingsSetSetFFFeatureConfirmNot applicableNot applicableXBF	Feature	Decrease volume	Down and Set	Down and Set	EP	F
FeatureMemory bank selectionNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDelete last measurementNot applicableNot applicableXBFDate and TimeDown, Set and UpDown, Set and UpEPFFeatureAlarn settingsDown, Set and UpNot applicableXBFFeatureDate and Time settingsNot applicableNot applicableXBFFeatureDate and Time announcementNot applicableNot applicableXBFStatisticsFFFFFFeatureShow AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFSettingsSetSetSetFFeatureSettingsSetSetFFeatureSettingsSetSetFFeatureSettingsSetSetFFeatureSettingsSetSetFFeatureSettingsSetSetFFeatureSettingsSetSetFFeatureSettingsSetSetSetFeatureSettingsSetSetSetFeatureSettingsSetSetSet <tr< td=""><td>Memory</td><td></td><td></td><td></td><td></td><td></td></tr<>	Memory					
FeatureMemory bank selectionNot applicableNot applicableXBFFeatureDelete memoryNot applicableNot applicableXBFFeatureDelete last measurementNot applicableNot applicableXBFDate and TimeDown, Set and UpDown, Set and UpEPFFeatureAlarn settingsDown, Set and UpNot applicableXBFFeatureDate and Time settingsNot applicableNot applicableXBFFeatureDate and Time announcementNot applicableNot applicableXBFStatisticsFFFFFFeatureShow AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFSettingsSetSetSetFFeatureSettingsSetSetFFeatureSettingsSetSetFFeatureSettingsSetSetFFeatureSettingsSetSetFFeatureSettingsSetSetFFeatureSettingsSetSetFFeatureSettingsSetSetSetFeatureSettingsSetSetSetFeatureSettingsSetSetSet <tr< td=""><td>Feature</td><td>Memory mode</td><td>Not applicable</td><td>Not applicable</td><td>ХВ</td><td>F</td></tr<>	Feature	Memory mode	Not applicable	Not applicable	ХВ	F
FeatureDelete memoryNot applicableNot applicableNot applicableXBFFeatureDelete last measurementNot applicableNot applicableNot applicableXBFDate and TimeDate and Time settingsDown, Set and UpDown, Set and UpEPFFeatureAlarm settingsNot applicableNot applicableXBFFeatureDate and Time announcementNot applicableNot applicableXBFStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsStatisticsSta	Feature	· · · · · · · · · · · · · · · · · · ·			XB	F
Date and Time settingsDown, Set and UpDown, Set and UpEPFFeatureAlarm settingsNot applicableNot applicableXBFFeatureDate and Time announcementNot applicableNot applicableXBFStatisticsShow AverageNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFSettingsSetSetSetFFeatureSettingsSetPFFeatureSettingsNot applicableXBFFeatureSettingsSetSetPFFeatureSettingsNot applicableXBFFeatureSettingsSetSetPFFeatureSonfirmNot applicableXBF	Feature		Not applicable		ХВ	F
Date and TimeDate and Time settingsDown, Set and UpDown, Set and UpEPFFeatureAlarm settingsNot applicableNot applicableXBFFeatureDate and Time announcementNot applicableNot applicableXBFStatisticsShow AverageNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFSettingsSetSetSetFFeatureSettingsSetSetFFeatureConfirmNot applicableXBF	Feature	Delete last measurement	Not applicable	Not applicable	ХВ	F
FeatureAlarm settingsNot applicableNot applicableXBFFeatureDate and Time announcementNot applicableNot applicableXBFStatisticsFeatureShow AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFSettingsSetSetSetFFeatureConfirmNot applicableNot applicableXBF	Date and Time					
FeatureAlarm settingsNot applicableNot applicableXBFFeatureDate and Time announcementNot applicableNot applicableXBFStatisticsFeatureShow AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFSettingsFeatureSettingsSetFFFeatureNot applicableNot applicableXBFFeatureSettingsSetSetFFeatureConfirmNot applicableNot applicableXBF	Feature	Date and Time settings	Down, Set and Up	Down, Set and Up	EP	F
StatisticsNot applicableNot applicableXBFFeatureShow AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFSettingsSetSetSetFFeatureSettingsSetSetFFeatureConfirmNot applicableNot applicableXBF	Feature		Not applicable	Not applicable	ХВ	F
FeatureShow AverageNot applicableNot applicableXBFFeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFSettingsFeatureSettingsSetSetEPFFeatureConfirmNot applicableNot applicableXBF	Feature	Date and Time announcement	Not applicable	Not applicable	XB	F
FeatureShow Alternative AverageNot applicableNot applicableXBFFeatureShow PlotNot applicableNot applicableXBFSettingsFeatureSettingsSetEPFFeatureConfirmNot applicableNot applicableXBF	Statistics			· · ·		
FeatureShow PlotNot applicableNot applicableXBFSettingsFeatureSettingsFeatureConfirmNot applicableXBFFeatureConfirmNot applicableXBF	Feature	Show Average	Not applicable	Not applicable	ХВ	F
FeatureShow PlotNot applicableNot applicableXBFSettingsFeatureSettingsFeatureConfirmNot applicableXBFFeatureConfirmNot applicableXBF	Feature		· ·		XB	F
SettingsFeatureSettingsFeatureConfirmNot applicableNot applicableXB	Feature	3			XB	F
FeatureSettingsSetSetEPFFeatureConfirmNot applicableNot applicableXBF	Settings		· ·	· ·		
Feature Confirm Not applicable Not applicable XB F	2	Settings	Set	Set	EP	F
						F
	Feature	Measurement unit settings	Not applicable	Not applicable	XB	F

Item Category	Item Description	Reference Device	Test Device	Comparison	Category
Feature	Change language	User	User	EP	F

Comparison of BPM-Specific Details

Item Category	Item Description	Item Description Reference Device Test Device Con		Comparison	Category
BPM Device H	lardware				
Cuffs					
Core (Clinical)	Cuff List	Style 1	Style 2	EL	С
Sensors			· · · · · · · · · · · · · · · · · · ·		
Core (Technical)	Number of pressure sensors	1	1 1		С
Core (Technical)	Pressure sensor type	Strain gauge	Strain gauge	EP	С
Core (Technical)	Pressure sensor model number(s)/code(s)	ADP1131	ADP1131	EP	С
Core (Technical)	Pressure sensor cross-check	Not provided	Not provided	EB	С
Documentation	Pressure sensor details supplied	Yes	Yes		-
Core (Technical)	Positioning sensor type	Capacitive position sensor	Capacitive position sensor	EP	С
Core (Technical)	Positioning sensor model number(s)/code(s)	BS812A-1	BS812A-1	EP	С
Documentation	Positioning sensor details supplied	Yes	Yes		-
Core (Technical)	Cuff-Wrapping Sensor	Not provided	Not provided	EB	С
Core (Technical)	ECG sensor	No sensor	No sensor	EB	С
Documentation	ECG sensor details supplied	Not applicable	Not applicable		-
Core (Technical)	Korotkoff-sound sensor	No sensor	No sensor	EB	С
Documentation	Korotkoff-sound sensor details supplied	Not applicable	Not applicable		-
Core (Technical)	Activity sensor	Not provided	Not provided	EB	С
Documentation	Activity sensor details supplied	Not applicable	Not applicable		-
Signal Processing	7				
Core (Technical)	Amplifier model number(s)/code(s)	LM324DR	LM324DR	EP	С
Core (Technical)	Analogue filter model number(s)/code(s)	Not applicable	Not applicable	ХВ	С
Core (Technical)	Analogue-to-digital convertor model number(s)/code(s)	ADC within Micom (ATSAM4S16CA)	ADC within Micom (ATSAM4S16CA)	EP	С
Core (Technical)	Pressure Sampling rate	1000 Hz	1000 Hz	EP	С
Pneumatic Hardw	vare				
Core (Technical)	Pneumatic pump model number/code	P54A-0001R (abr P54A01R) or RFP45J-0002R (abr RFP45J02R)	P54A-0001R (abr P54A01R) or RFP45J-0002R (abr RFP45J02R)	EP	С
Documentation	Pneumatic pump details supplied	Yes	Yes		-

Item Category	Item Description	Reference Device	Test Device	Comparison	Category
Core (Technical)	Exhaust valve model number/code	KSV15C-6I	KSV15C-6I	EP	С
Documentation	Exhaust valve details supplied	Yes	Yes		_
Core (Technical)	Safety Release Valve	Not provided	Not provided	EB	С
Accessories					
Accessory	Cuff Holder	Cuff integrated into device	Cuff integrated into device	XB	А
BPM Device S	oftware				
Memory					
Feature	SBP Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	DBP Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	PR Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	MAP Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Generic Event Code Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Medication Code Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Atrial Fibrillation Code Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	ХВ	F
Feature	Arrhythmia/IHB Code Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	BP Grade Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	ХВ	F
Feature	Body Movement Code Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Bed and Rising Times Stored	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Ranges					
	Maximum Pressure (Upper Limit of				
Core (Technical)	Upper Technical Alarm Condition	300 mmHg	300 mmHg	EP	С
	Range)				
Core (Technical)	Upper Limit of Rated Range	280 mmHg	280 mmHg	EP	C
Core (Technical)	Lower Limit of Rated Range	30 mmHg	30 mmHg	EP	С
	Minimum Pressure (Lower Limit of				
Core (Technical)	Low Technical Alarm Condition	0 mmHg	0 mmHg	EP	C
	Range)	222	222		
Core (Technical)	Maximum SBP	280 mmHg	280 mmHg	EP	C
Core (Technical)	Minimum SBP	60 mmHg	60 mmHg	EP	C
Core (Technical)	Maximum DBP	200 mmHg	200 mmHg	EP	C
Core (Technical)	Minimum DBP	30 mmHg	30 mmHg	EP	C
Core (Technical)	Maximum PP	250 mmHg	250 mmHg	EP	C
Core (Technical)	Minimum PP	15 mmHg	15 mmHg	EP	C
Core (Technical)	Maximum PR	240 bpm	240 bpm	EP	C
Core (Technical)		30 bpm	30 bpm	EP	С
Specified Accurat					
Core (Technical)	Specified BP Accuracy (±)	2 mmHg	2 mmHg	EP	C
Core (Technical)	Specified PR Accuracy (±)	1.5 %	1.5 %	EP	С

Item Category	Item Description	Item Description Reference Device Test Device C		Comparison	Category
BPM Device F	irmware				
Analysis					
Feature	Overall arithmetic mean	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Last overall 3-meas arithmetic mean	Not applicable (No memory facility)	Not applicable (No memory facility)	ХВ	F
Feature	Last overall 7-day arithmetic mean	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Last overall ESH arithmetic mean	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Overall median	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Overall morning arithmetic mean	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Last morning 3-meas arithmetic mean	Not applicable (No memory facility)	Not applicable (No memory facility)	ХВ	F
Feature	Last morning 7-day arithmetic mean	Not applicable (No memory facility)	Not applicable (No memory facility)	ХВ	F
Feature	Overall evening arithmetic mean	Not applicable (No memory facility)	Not applicable (No memory facility)	XB	F
Feature	Last evening 3-meas arithmetic mean	Not applicable (No memory facility)	Not applicable (No memory facility)	ХВ	F
Feature	Last evening 7-day arithmetic mean	Not applicable (No memory facility)	Not applicable (No memory facility)	ХВ	F
Feature	BP Classification	Not provided	Korean Society of Hypertension 2022	ТР	F
Feature	Pulse Classification	Not provided	Not provided	EB	F
Feature	Measurement-Target BP difference	Not provided	Not provided	EB	F
BPM Device F	eatures	· · · · · · · · · · · · · · · · · · ·	·		
Technical					
Core (Technical)	Operation Method	Oscillometry: automatic during deflation	Oscillometry: automatic during deflation	EP	С
Feature	Single Measurements	Yes	Yes	EP	F
Feature	Double Measurement	Not provided	Not provided	EB	F
Feature	Triple Measurement	Not provided	Not provided	EB	F
Feature	Measurements at ESH- recommended times	Not provided	Not provided	EB	F
Feature	ABPM Measurement Occurrences	Device does not support ABPM	Device does not support ABPM	XB	F
Feature	ABPM duration	Not applicable (Not ABPM)	Not applicable (Not ABPM)	XB	F
Core (Technical)	Continuous Measurements	Not provided	Not provided	EB	С
Feature	Continuous mode frequency	Not applicable (No continuous mode)	Not applicable (No continuous mode)	XB	F
Core (Technical)	ECG triggered measurements (ECG used to confirm Korotkoff sounds)	Not provided	Not provided	EB	С
Feature	Measurement Interval Set	Not applicable	Not applicable	XB	F
Feature	Measurement Times Set	Not applicable	Not applicable	XB	F
Core (Clinical)	Repeat measurement	No automatic repeat provided	No automatic repeat provided	EB	С
Feature	Suspend Multiple/ABPM measurements	Not applicable (No multiple measurements)	Not applicable (No multiple measurements)	ХВ	F

Calibration					Category
Feature	Calibration Mode	Not provided	Not provided	EB	F
Core (Technical)	Recommended Calibration Intervals	Not applicable	Not applicable	EP	С
Feature	Recalibrate Reminder	Not provided	Not provided	EB	F
Special Measuren	ments	· · · · · · · · · · · · · · · · · · ·			
, Core (Technical)	Test Measurements	None	None	EB	С
Core (Clinical)	Measurements triggered by ECG event	Not provided	Not provided	EB	С
Feature	Measurements triggered by posture	Not provided	Not provided	EB	F
Feature	Measurements triggered by activity	Not provided	Not provided	EB	F
Feature	Manually triggered measurements (ABPM only)	Not provided	Not provided	EB	F
Procedure					
Core (Technical)	Positioning Check	Yes	Yes	EP	С
Core (Technical)	Zero Pressure Check	Not provided Not provided		EB	С
Core (Technical)	Inflation Method	Automatic after manual-initiated start	Automatic after manual-initiated start Automatic after manual-initiated start		С
Core (Technical)	Inflation Rate	Depends on upper arm thickness and expected SBP value			С
Core (Technical)	Inflation Target	Measurement during inflation – SBP dependent	Measurement during inflation – SBP dependent	EP	С
Core (Technical)	Inflation Target Value(s)	Not applicable	Not applicable	XB	С
Core (Technical)	Deflation Method	Logical control (drop after SBP)	Logical control (drop after SBP)	EP	С
Core (Technical)	Deflation Rate	4	4	EP	С
Measurement					
Feature	Measurement Units	mmHg only	mmHg only	EP	F
Core (Clinical)	Systolic Blood Pressure (SBP)	On Screen and Report	On Screen and Report	EP	С
Core (Clinical)	Diastolic Blood Pressure (DBP)	On Screen and Report	On Screen and Report	EP	С
Core (Clinical)	Pulse Rate (PR)	On Screen and Report	On Screen and Report	EP	С
Core (Clinical)	Measured Mean Arterial Pressure (MAP)	Not provided	Not provided	EB	С
Feature	Estimated Mean Arterial Pressure (MAP)	Optionally on Report only	Not provided	RP	F
Feature	Pulse Pressure (PP)	Optionally on Report only	Not provided	RP	F
Feature	Pressure Rate Product (PRP)	Optionally on Report only	Not provided	RP	F
Feature	Left and right arm pressures	Not provided	Not provided	EB	F
Core (Clinical)	Central Aortic Pressures	Not provided	Not provided	EB	С
Feature	Ankle-Brachial Index	Not provided	Not provided	EB	F
Core (Technical)	Technical Alarm Condition	Included in standard out-of-range error	Included in standard out-of-range error	EP	С

Item Category	Item Description	Reference Device	Test Device		Category
Feature	Arterial Stiffness Index	Not provided	Not provided	EB	F
Feature	Posture	Not provided	Not provided	EB	F
Feature	Activity Level	Not provided	Not provided	EB	F
ISO Certification -	Manual Devices				
Documentation	ISO-81060-1 Certification (Manual devices only)	Not applicable (automatic) Not applicable (automatic)			_
Documentation	Date of ISO Certification (Manual devices only)	Not applicable	Not applicable Not applicable		_
BPM Screen a	nd Audio Indicators				
Measurement					
Before Measurem	ent				
Feature	Measurement Mode	Function not provided	Function not provided	EB	F
Feature	Arm positioning indicator	Special Icon	Special Icon	TL	F
Feature	Wrist positioning indicator	Function not provided	Function not provided	EB	F
Feature	Posture indicator	Function not provided	Function not provided	EB	F
Feature	Cuff wrapping indicator	Function not provided	Function not provided	EB	F
Feature	Left/Right Limb Selection	Function not provided	Function not provided	EB	F
Feature	Inflation Target Selection	Not applicable for intended device use	Not applicable for intended device use	ХВ	F
Feature	Threshold Selection	Function not provided	Function not provided	EB	F
Feature	Memory zone	Function not provided	Function not provided	EB	F
During Measuren	nent				
Feature	Inflation	Reuse of 7-segment characters	Reuse of 7-segment characters	EP	F
Feature	Deflation	Reuse of 7-segment characters	Reuse of 7-segment characters	EP	F
Feature	Heartbeat Indicator	Special Icon	Special Icon	RL	F
Feature	Pressure	Digital value	Digital value	EP	F
After Measureme	nt				
Feature	SBP	Always shown	Always shown	EP	F
Feature	DBP	Always shown	Always shown	EP	F
Feature	Measured MAP	Not provided	Not provided	EB	F
Feature	PR	Always shown	Always shown	EP	F
Feature	Posture	Function not provided	Function not provided	EB	F
Feature	Activity Level	Function not provided	Function not provided	EB	F
Feature	Pulse Wave Pattern	Available on printout	Not provided	RP	F
Derived Values		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Feature	РР	Available on printout	Not provided	RP	F
Feature	Estimated MAP ((SBP + 2 × DBP) / 3)	Available on printout	Not provided	RP	F
Feature	Pressure Rate Product (PRP = SBP × PR)	Available on printout	Not provided	RP	F

Item Category	Item Description	Reference Device	Test Device	Comparison	Category
Feature	Average – Morning	Function not provided	Function not provided	EB	F
Feature	Average – Evening	Function not provided	Function not provided	EB	F
Feature	BP Classification	Classification not indicated	Indicator squares	ТР	F
Feature	Pulse Classification	Function not provided	Function not provided	EB	F
Feature	Arrhythmias	Function not provided	Function not provided	EB	F
Feature	Haemodynamic Stability	Function not provided	Function not provided	EB	F
Feature	Inter-Arm Difference	Function not provided	Function not provided	EB	F
Feature	Arterial Stiffness	Function not provided	Function not provided	EB	F
Feature	Visit doctor	Function not provided	Function not provided	EB	F
Error Indicators					
Feature	Body-Movement Error	Function not provided	Function not provided	EB	F
Feature	Air leak/Cuff Connection Error	Function not provided	Function not provided	EB	F
Feature	Ambient temperature Error	Function not provided	Function not provided	EB	F
Feature	Measurement Reliability Error	Function not provided	Function not provided	EB	F
Feature	Measurement being repeated	Function not provided	Function not provided	EB	F
Markers					
Feature	Event – Generic	Function not provided	Function not provided	EB	F
Feature	Event – Bed Time & Rising Time	Function not provided	Function not provided	EB	F
Memory					
Feature	Pulse Rate from Memory	Not provided	Not provided	EB	F
Special Measurer	ments				
Feature	Test Measurements	Function not provided	Function not provided	EB	F
Feature	Test Successful	Function not provided	Function not provided	EB	F
Non-Measurem	ent				
Settings					
Feature	Button Lock	Function not provided	Function not provided	EB	F
Audio Indicator	5				
Feature	Measurement imminent	None	None	EB	F
Feature	Pulse signal detected	Not applicable (No sound)	Not applicable (No sound)	ХВ	F
BPM Buttons	and Switches				
Safety					
Feature	Immediate Exhaust	Emergency	Emergency	EP	F
Mode					
Feature	Mode: Single Measurement	Start/Stop	Start/Stop	EP	F
Feature	Mode: Double Measurement	Not applicable	Not applicable XE		F
Feature	Mode: Triple Measurement	Not applicable	Not applicable XB		F
Feature	Mode: Home Measurement	Not applicable	Not applicable	XB	F
Feature	Mode: ABPM	Not applicable	Not applicable	XB	F
i cuture		not applicable	iter applicable	,	•

Item Category	Item Description	Reference Device	Test Device	Comparison	Category
Feature	Mode: Nocturnal repeated measurements	Not applicable	Not applicable	ХВ	F
Feature	Mode: Diagnostic	Not applicable	Not applicable	XB	F
Feature	Mode: ESH controlled	Not applicable	Not applicable	XB	F
Feature	Mode: Auscultation/Manual	Not applicable	Not applicable	ХВ	F
Feature	Mode: Automatic	Not applicable	Not applicable	ХВ	F
Settings		· ·			
Feature	Manual Threshold Selection	Not applicable	Not applicable	ХВ	F
Feature	Left/Right Limb Selection	Not applicable	Not applicable	ХВ	F
Feature	Inflation Target Selection	Not applicable	Not applicable	ХВ	F
Event					
Feature	Event: Generic	Not applicable	Not applicable	ХВ	F
Feature	Event: Medication	Not applicable	Not applicable	ХВ	F
Feature	Event: Bed Time	Not applicable	Not applicable	ХВ	F
Feature	Event: Rising Time	Not applicable	Not applicable	ХВ	F

Category Comparison Code			Identity	Core	Feature	Accessory	Co	re Breakdo	wn	-
		Code	I	с	F	Α	Biological	Clinical	Technical	Total
Identical provision on both devices		EP	5	54	39	17	0	4	50	115
Equivalent provision on both devices		EL	2	2	0	1	0	1	1	5
Not provided on either device		EB	0	14	66	10	0	4	10	90
Similar-level provisions on both devices		BL	0	0	0	0	0	0	0	0
Different provisions on each device		BP	0	0	0	0	0	0	0	0
Provided on Reference but not on Test Device		RP	0	0	7	1	0	0	0	8
Better provision on Reference Device		RL	0	0	1	0	0	0	0	1
Provided on Test but not on Reference Device		ТР	0	0	2	0	0	0	0	2
Better provision on Test Device		TL	0	0	1	0	0	0	0	1
Not comparable		ХР	0	0	0	0	0	0	0	0
Not applicable for this device functionality		ХВ	4	2	77	15	0	0	2	98
Value missing for Reference Device		MR	0	0	0	0	0	0	0	0
Value missing for Test Device		мт	0	0	0	0	0	0	0	0
Values missing for both devices		MB	0	0	0	0	0	0	0	0
Check if provision is identical or similar		QL	0	0	0	0	0	0	0	0
Check free text entries		QP	0	0	0	0	0	0	0	0
Totals	Formulae									
Equal items	$\Sigma EP + \Sigma EL + \Sigma EB$	En	7	70	105	28	0	9	61	210
Different	Rn + Tn + Bn	Dn	0	0	11	1	0	0	0	12
Favouring Reference	$\Sigma RP + \Sigma RL$	Rn	0	0	8	1	0	0	0	9
Favouring Test	$\Sigma TP + \Sigma TL$	Tn	0	0	3	0	0	0	0	3
Favouring Neither	$\Sigma BP + \Sigma BL$	Bn	0	0	0	0	0	0	0	0
Missing	$\Sigma MR + \Sigma MT + \Sigma MB$	Mn	0	0	0	0	0	0	0	0
Queries	ΣQP + ΣQL	Qn	0	0	0	0	0	0	0	0
Not Compared	$\Sigma XP + \Sigma XB$	Xn	4	2	77	15	0	0	2	98
Overall Sum	En + Dn + Mn + Qn + Xn	Sn	11	72	193	44	0	9	63	320
Applicable Sum	Sn – Xn	An	7	70	116	29	0	9	61	222

Summation of Comparisons

Equivalence and Comparative Analysis

Equivalence Analysis				
Description	Formulae	Core		
Not Equivalent	Dn-C > 0	False		
Incomplete Core	Mn-C > 0	False		
Core Queries	Qn-C > 0	False		
Equivalence Proven	Reject if any Criteria Test results are TRUE	True		
Comparative Analysis Completion Ch	eck			
Description	Formulae		Feature	Accessory
Sufficiency for Reference Device	(Sn - Qn - MR - MB) / Sn ≥ 66%, 88%		193 (100.0%) Complete	44 (100.0%) Complete
Sufficiency for Test Device	(Sn - Qn - MT - MB) / Sn ≥ 66%, 88%		193 (100.0%) Complete	44 (100.0%) Complete
Sufficiency for Comparison	(Sn - Qn - Mn) / Sn ≥ 66%, 88%		193 (100.0%) Complete	44 (100.0%) Complete
Overall Sufficiency	Minimum of above ≥ 66%, 88%		(100.0%)	Complete
Details Queries	Qn-F + Qn-A > 0		False (0 outstanding)	
Details finalised	Reject if Queries or Insufficient		True	
Comparative Analysis Results Check				
Option	Formulae		Feature +	Accessory
Identical	$Dn-F = 0 \land Dn-A = 0$		Fa	lse
Common	$Dn-F = 0 \land Dn-A > 0 \lor Rn-F = 0 \land Tn-F = 0 \land En-F \ge 9 \times Bn-F$		Fa	lse
Simpler	$Rn-F > 0 \land Tn-F = 0 \lor Tn-F > 0 \land Rn-F \ge 3 \times Tn-F$		Fa	lse
Superior	$Tn-F > 0 \land Rn-F = 0 \lor Rn-F > 0 \land Tn-F \ge 3 \times Rn-F$		Fa	lse
Diverse	0 < Rn-F < 3 × Tn-F \land 0 < Tn-F < 3 × Rn-F \land Rn-F + Tn-F ≥ 3 × B-Fn		Tr	ue
Common-Diverse	Rn-F = 0 \land Tn-F = 0 \land En-F < 9 \times Bn-F V 0 < Rn-F < 3 \times Tn-F \land 0 < Tn-F < 3 \times Rn-F \land Rn-F + Tn-F < 3 \times Bn-F		Fa	lse
			Div	erse
Comparative Result				tion where the test and ices each have ot available on the other.

Cuff Comparative-Equivalence

Summary of Differences

Item Category	Item Description	Reference Device	Test Device	Comparison
Identity	Primary Cuff Name	SELVAS Style 1	SELVAS Style 1	Equivalent on both devices
Accessory	Relevant Accessories	Indigo deco cover	Grey deco cover	Equivalent on both devices

Comparison of Details

Item Category Item Description		Reference Device	Test Device	Comparison	Category		
Cuff Details							
Cuff Identificatio	on						
Identity	Primary Cuff Name	SELVAS Style 1	SELVAS Style 2	EL	I		
Identity	All cuff identities	Integrated	Integrated	EP	I		
Identity	Generic Name	Universal	Universal	EP	I		
Identity	Manufacturer	As Device	As Device	EP	I		
Descriptors							
Size							
Core (Technical)	Minimum Circumference	200 mm	200	EP	С		
Core (Technical)	Maximum Circumference	400 mm	400	EP	С		
Core (Technical)	cal) Bladder Length 146 mm		146	EP	С		
Core (Technical)	(Technical) Bladder Width 158 mm		158	EP	С		
Cuff Details							
Core (Technical)	Cuff Style	Rigid cylindrical upper-arm cuff	Rigid cylindrical upper-arm cuff	EP	С		
Core (Technical)	Bladder Style	Integrated cuff and bladder	Integrated cuff and bladder	EP	С		
Core (Technical)	Cuff Fastenings	Integrated cuff without fastenings	Integrated cuff without fastenings	EP	С		
Core (Biological)	Outer Material	Spandex	Spandex	EP	С		
Feature	Connector	Not applicable - Integrated cuff	Not applicable - Integrated cuff	EP	F		
Accessories							
Accessory	Relevant Accessories	Indigo deco cover	Grey deco cover	EL	А		
Microphone Details							
Core (Technical)	Microphones	No microphone	No microphone	XB	С		
Core (Technical)	Microphone model number(s)/code(s)	Not Applicable		EB	С		
Provision							
Documentation	Default Provision	Integrated as part of device	Integrated as part of device		-		
		Available Currently	Available Currently				

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Item Category	Item Description	Reference Device	Test Device	Comparison	Category
Validation and Ce	ertification				
Documentation	ISO-81060-1 Certification (Cuffs for manual devices only)	Not applicable (automatic)	Not applicable (automatic)		-
Documentation	Date of ISO Certification (Cuffs for manual devices only)	Not applicable	Not applicable		-
Files Supplied					
Documentation	Cuff Image Supplied				-
Documentation	Microphone details	Not Applicable	Not Applicable		-

Category				Core	Feature	Accessory	Co	re Breakdo	wn	
Comparison				с	F	Α	Biological	Clinical	Technical	Total
Identical provision on both devices			3	8	1	0	1	0	7	12
Equivalent provision on both devices			1	0	0	1	0	0	0	2
Not provided on either device		EB	0	1	0	0	0	0	1	1
Similar-level provisions on both devices		BL	0	0	0	0	0	0	0	0
Different provisions on each device		BP	0	0	0	0	0	0	0	0
Provided on Reference but not on Test Device		RP	0	0	0	0	0	0	0	0
Better provision on Reference Device		RL	0	0	0	0	0	0	0	0
Provided on Test but not on Reference Device		ТР	0	0	0	0	0	0	0	0
Better provision on Test Device		TL	0	0	0	0	0	0	0	0
Not comparable		ХР	0	0	0	0	0	0	0	0
Not applicable for this device functionality		ХВ	0	1	0	0	0	0	1	1
Value missing for Reference Device		MR	0	0	0	0	0	0	0	0
Value missing for Test Device		МТ	0	0	0	0	0	0	0	0
Values missing for both devices		MB	0	0	0	0	0	0	0	0
Check if provision is identical or similar		QL	0	0	0	0	0	0	0	0
Check free text entries		QP	0	0	0	0	0	0	0	0
Totals	Formulae									
Equal items	$\Sigma EP + \Sigma EL + \Sigma EB$	En	4	9	1	1	1	0	8	15
Different	Rn + Tn + Bn	Dn	0	0	0	0	0	0	0	0
Favouring Reference	$\Sigma RP + \Sigma RL$	Rn	0	0	0	0	0	0	0	0
Favouring Test	$\Sigma TP + \Sigma TL$	Tn	0	0	0	0	0	0	0	0
Favouring Neither $\Sigma BP + \Sigma BL$		Bn	0	0	0	0	0	0	0	0
Missing	$\Sigma MR + \Sigma MT + \Sigma MB$	Mn	0	0	0	0	0	0	0	0
Queries	ΣQP + ΣQL	Qn	0	0	0	0	0	0	0	0
Not Compared $\Sigma XP + \Sigma XB$		Xn	0	1	0	0	0	0	1	1
Overall Sum	En + Dn + Mn + Qn + Xn	Sn	4	10	1	1	1	0	9	16
Applicable Sum	Sn – Xn	An	4	9	1	1	1	0	8	15

Summation of Comparisons

Equivalence and Comparative Analysis	

Equivalence Analysis					
Description	Formulae	Core			
Not Equivalent	Dn-C > 0	False			
Incomplete Core	Mn-C > 0	False			
Core Queries	Qn-C > 0	False			
Equivalence Proven	Reject if any Criteria Test results are TRUE	True			
Comparative Analysis Completion Ch	eck				
Description	Formulae		Feature	Accessory	
Sufficiency for Reference Device	(Sn - Qn - MR - MB) / Sn ≥ 66%, 88%		1 (100.0%) Complete	1 (100.0%) Complete	
Sufficiency for Test Device	(Sn - Qn - MT - MB) / Sn ≥ 66%, 88%		1 (100.0%) Complete	1 (100.0%) Complete	
Sufficiency for Comparison	(Sn - Qn - Mn) / Sn ≥ 66%, 88%		1 (100.0%) Complete	1 (100.0%) Complete	
Overall Sufficiency	Minimum of above \geq 66%, 88%		(100.0%)	Complete	
Details Queries	Qn-F + Qn-A > 0		False (0 outstanding)		
Details finalised	Reject if Queries or Insufficient		True		
Comparative Analysis Results Check					
Option	Formulae		Feature +	Accessory	
Identical	$Dn-F = 0 \land Dn-A = 0$		Tr	ue	
Common	$Dn-F = 0 \land Dn-A > 0 \lor Rn-F = 0 \land Tn-F = 0 \land En-F \ge 9 \times Bn-F$		Tr	ue	
Simpler	$Rn-F > 0 \land Tn-F = 0 \lor Tn-F > 0 \land Rn-F \ge 3 \times Tn-F$		Fa	lse	
Superior	$Tn-F > 0 \land Rn-F = 0 \lor Rn-F > 0 \land Tn-F \ge 3 \times Rn-F$		Fa	lse	
Diverse	0 < Rn-F < 3 × Tn-F \land 0 < Tn-F < 3 × Rn-F \land Rn-F + Tn-F ≥ 3 × B-Fn		Fa	lse	
Common-Diverse	Rn-F = 0 \land Tn-F = 0 \land En-F < 9 \times Bn-F \lor 0 < Rn-F < 3 \times Tn-F \land 0 < Tn-F < 3 \times Rn-F \land Rn-F + Tn-F < 3 \times Bn-F		Fa	lse	
			Ider	tical	
Comparative Result			has identical function	on where the test device ns/accessories to the re device	

Appendix 1 – Medaval Comparative-Equivalence Procedure



Summary

	Comparative-Equivalence Specifications Version 4 Summary
This do revision	cument describes equivalence for medical devices in accordance with MEDDEV 2.7/1 4.
•	In compliance with Council Directive 93/42/EEC as amended by directive 2007/47/EC
•	Used to compare devices described under Medaval Device Registration with Core measurement-critical items indicated as Technical, Clinical or Biological, in accordance with MEDDEV 2.7/1 revision 4
•	Identifies how each item is compared to corresponding item on the paired device
•	Standard critical core items compared to ensure equality or equivalence, in accordance with MEDDEV 2.7/1 revision 4.
•	Identity, Features and Accessories indicted, in Device Registration, compared to identify device differences in accordance with MEDDEV 2.7/1 revision 4.
•	Provides summary comparison for equivalent devices
•	Identifies "Families" of devices where each pair are equivalent to each other
•	Results provided in Clinical Evaluation Reports prepared in accordance with MEDDEV 2.7/1 revision 4.
•	Evaluations conducted by renowned experts in Blood Pressure Measurement with proven and published experience in protocol development and validation.
	Equivalence and Validation
•	Equivalence is independent of validation.
•	Validation is only of one functionality, normally the the measurement technology. The particular device used in a validation can be any that uses that technology.
•	Validation of a measurement technology is therefore applied to all devices within a family i.e. all those with proven to be equivalent for that technology.
•	Existing validations are applied immediately. Subsequent validations are applied once published.
•	Equivalence of cuffs means that where one cuff was proved accurate with the technology, all equivalent cuffs can be used also.

Appendix 2 – Comparative-Equivalence of all Devices in Family

The SELVAS ACCUNIQ BP651 and the SELVAS ACCUNIQ BP500 are just two devices in a family of devices that have been proven to be mutually equivalent. The other devices are the SELVAS ACCUNIQ BP501, the SELVAS ACCUNIQ BP503, the SELVAS ACCUNIQ BP600, the SELVAS ACCUNIQ BP650 and the SELVAS ACCUNIQ BP653.

In summary, the model number digits describe the differences between the devices. The first digit is either 5 (button material ABS) or 6 (button material acrylic). The second digit is either 0 (no

BP classification provided) or 5 (BP classification and a separate arm positioning indicator) and the third digit is either 0 (thermal printer and derived values only provided on a printout, indigo start stop button and indigo deco cover), 1 (no printer and no derived values, green start stop button and grey deco cover) or 3 (thermal printer and the printed derived values, green start stop button and grey cuff deco cover).

Proof of the other equivalences are contained in separate reports and summarised below.

Con	nparative	ative Test Device						
Result		BP500	BP501	BP503	BP600	BP650	BP651	BP653
	BP500	Same	Simpler	Identical	Identical	Superior	Diverse	Superior
e	BP501	Superior	Same	Superior	Superior	Superior	Superior	Superior
Device	BP503	Identical	Simpler	Same	Identical	Superior	Diverse	Superior
nce	BP600	Identical	Simpler	Identical	Same	Superior	Diverse	Superior
Reference	BP650	Simpler	Simpler	Simpler	Simpler	Same	Simpler	Identical
Ref	BP651	Diverse	Simpler	Diverse	Diverse	Superior	Same	Superior
	BP653	Simpler	Simpler	Simpler	Simpler	Identical	Simpler	Same

Legend: Identical means equivalent and no effective differences in features or accessories; Diverse means equivalent and each device has features not available on the other; Superior means equivalent and more features; Simpler means equivalent and fewer features

Item Description	ACCUNIQ BP500	ACCUNIQ BP501	ACCUNIQ BP503	ACCUNIQ BP600	ACCUNIQ BP650	ACCUNIQ BP651	ACCUNIQ BP653
Device Image							
Display							
Integrated Printer	Yes	No	Yes	Yes	Yes	No	Yes
Availability of printed PP, Estimated MAP, PRP and plot	Yes	No	Yes	Yes	Yes	No	Yes
Button Material	ABS	ABS	ABS	Acrylic	Acrylic	Acrylic	Acrylic
Start/Stop Button Colour	Indigo	Green	Green	Indigo	Indigo	Green	Green
Deco Cover Colour	Indigo	Grey	Grey	Indigo	Indigo	Grey	Grey
BP Classification	No	No	No	No	Yes	Yes	Yes
Arm positioning indicator	Heart	Heart	Heart	Heart	Special Icon	Special Icon	Special Icon